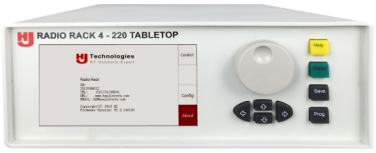
Radio Rack 4 - 220 Tabletop



Description:

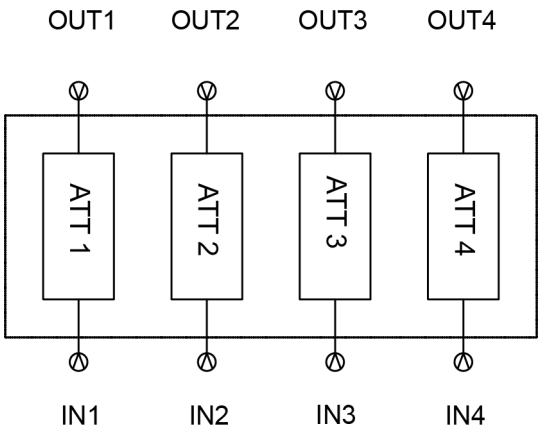
Radio Rack 4 - 220 Tabletop is suitable for lab testing by controlling 4 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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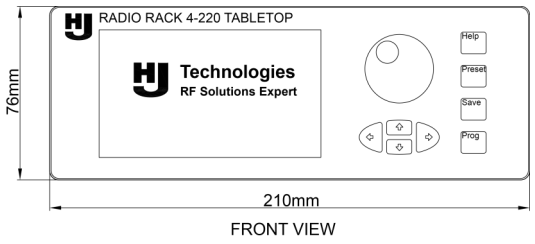
Programmable Attenuators

Technologies
RF Solutions Expert

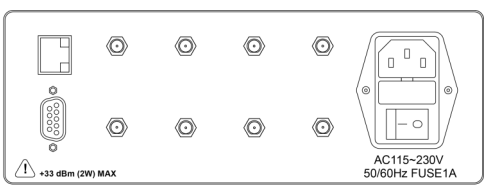
Specification:

Specification	Description:
Height	210 x 76 x 190 mm
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	0.7 GHz ≤ 5.3 dB, 3 GHz ≤ 6.8 dB, 6 GHz ≤ 9.8 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	SMA (F)
Temperature Range	-10 to +50°C

Dimension



FRONT VIEW



REAR VIEW
CHASSIS DEPTH = 190mm

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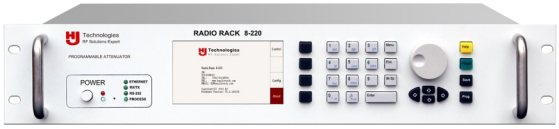
Radio Rack 8 - 220



Description:

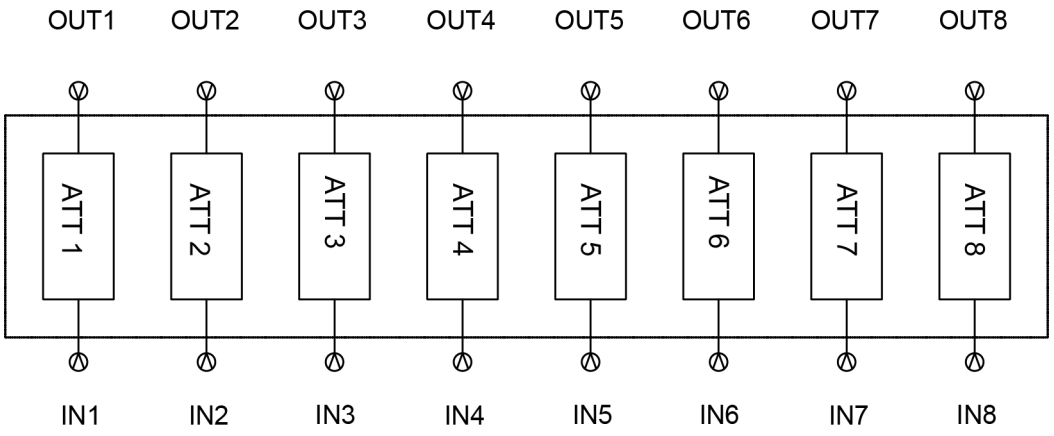
Radio Rack 8 - 220 is suitable for lab testing by controlling 8 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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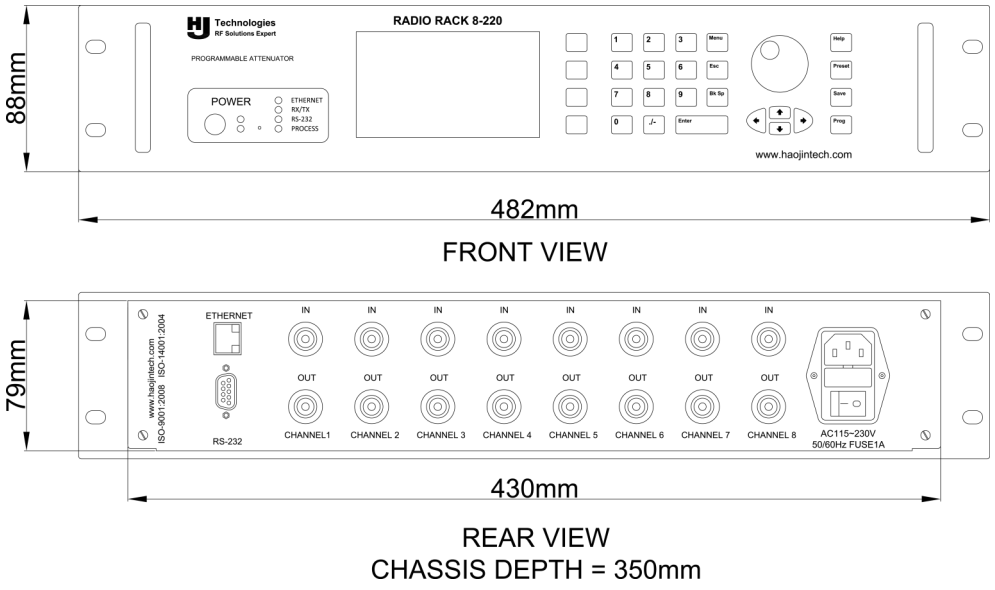
Programmable Attenuators

Technologies
RF Solutions Expert

Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	0.7 GHz ≤ 5.3 dB, 3 GHz ≤ 6.8 dB, 6 GHz ≤ 9.8 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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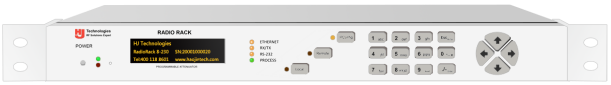
Radio Rack 8 - 230



Description:

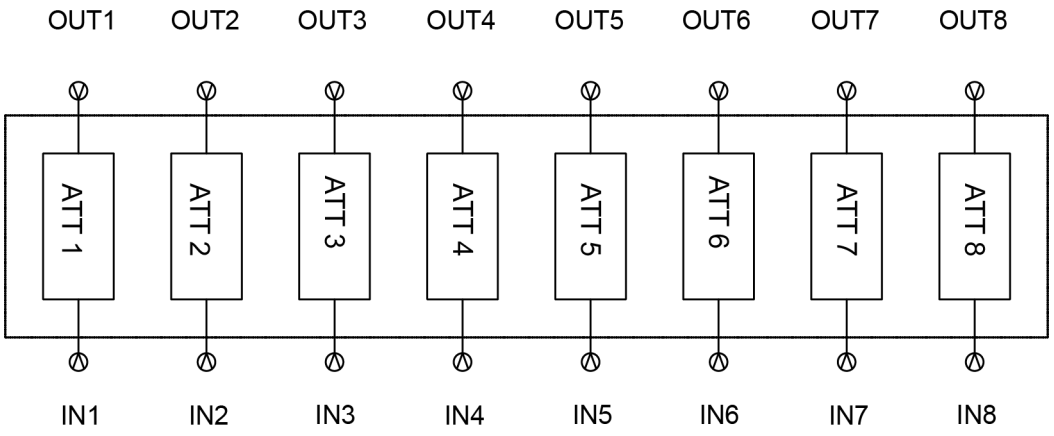
Radio Rack 8 - 230 is suitable for lab testing by controlling 8 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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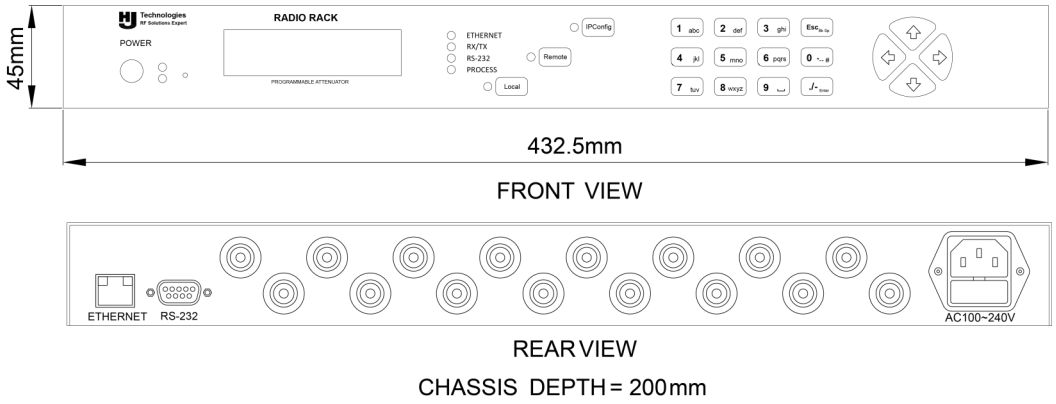
Specification:

Specification	Description:
Height	1U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	0.7 GHz ≤ 5.3 dB, 3 GHz ≤ 6.8 dB, 6 GHz ≤ 9.8 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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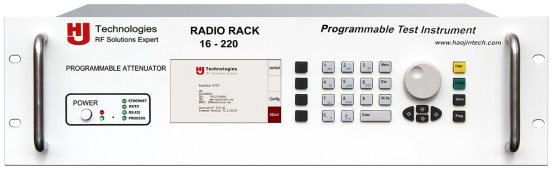
Radio Rack 16 - 220



Description:

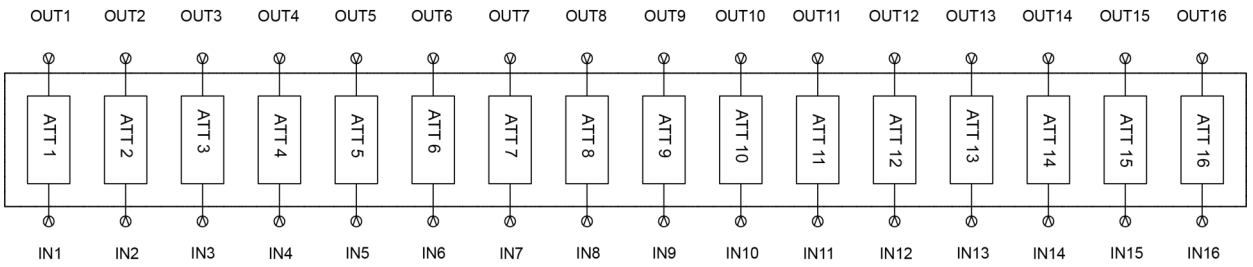
Radio Rack 16 - 220 is suitable for lab testing by controlling 16 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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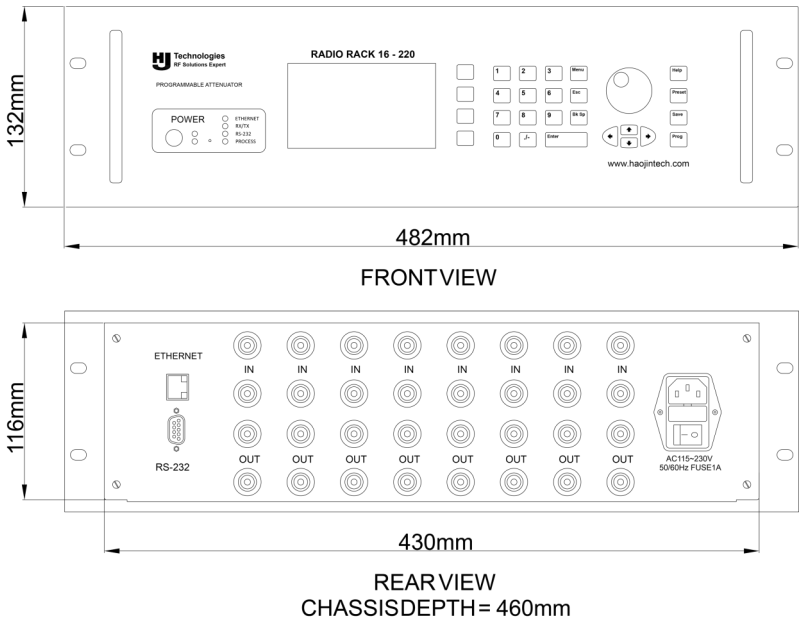
Programmable Attenuators

Technologies
RF Solutions Expert

Specification:

Specification	Description:
Height	3U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	0.7 GHz ≤ 5.3 dB, 3 GHz ≤ 6.8 dB, 6 GHz ≤ 9.8 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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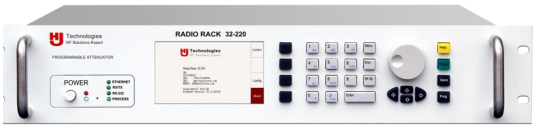
Radio Rack 32 - 220



Description:

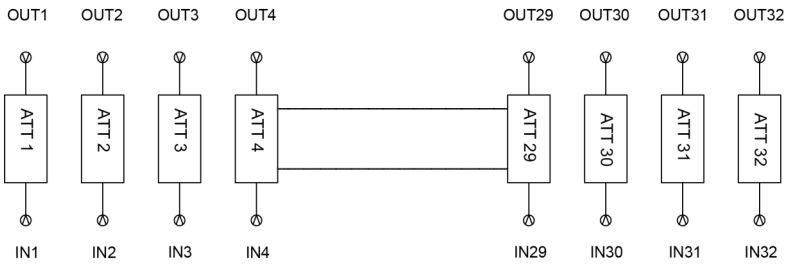
Radio Rack 32 - 220 is suitable for lab testing by controlling 32 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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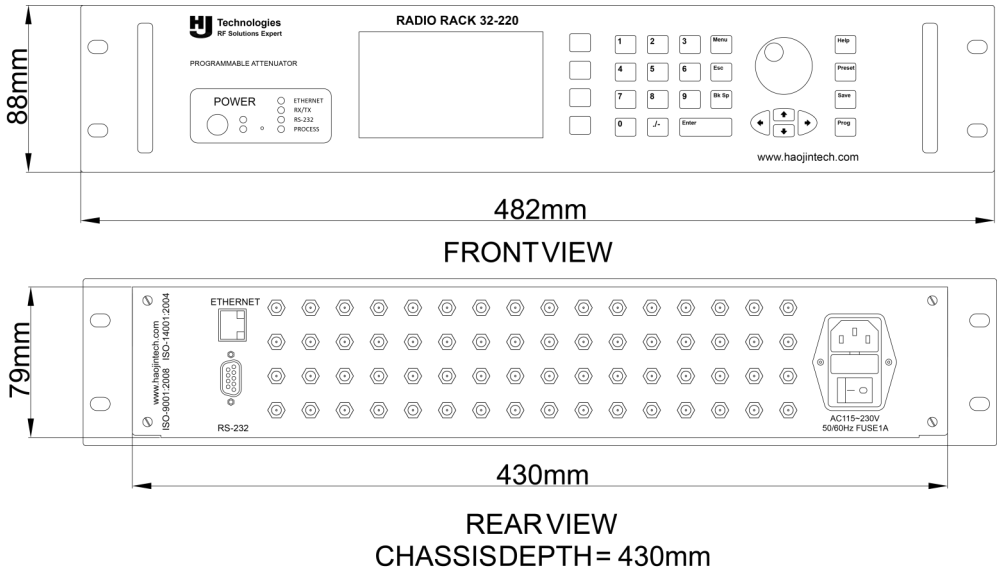
Programmable Attenuators

Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	0.7 GHz ≤ 5.3 dB, 3 GHz ≤ 6.8 dB, 6 GHz ≤ 9.8 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	SMA (F)
Temperature Range	-10 to +50°C

Dimension



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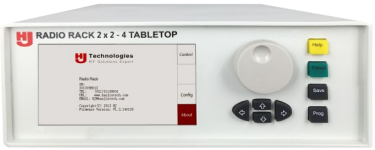
Radio Rack 2 x 2 - 4



Description:

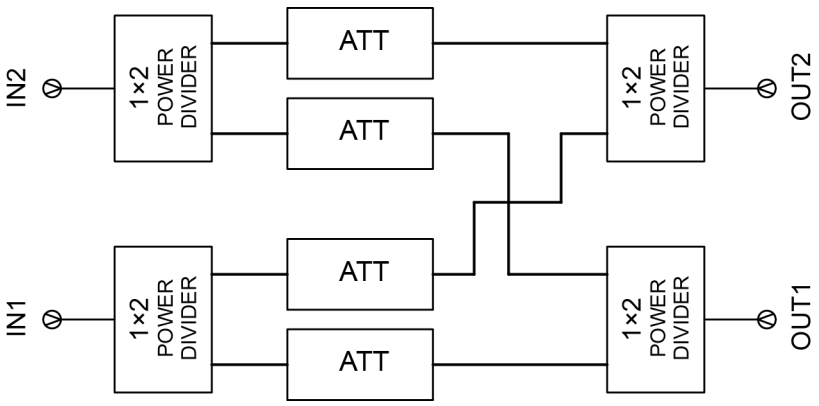
Radio Rack 2 x 2 - 4 is suitable for lab testing by controlling 4 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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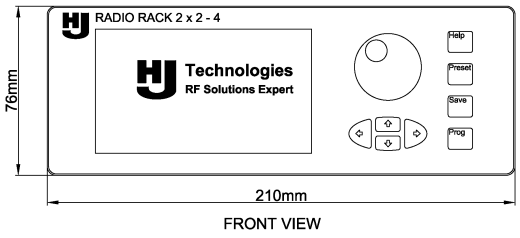
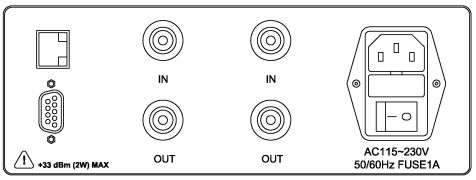
Specification:

Specification	Description:
Height	210 x 76 x 190mm
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 14.7 dB@4GHz; ≤ 17 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



FRONT VIEW



REAR VIEW
CHASSIS DEPTH = 190mm

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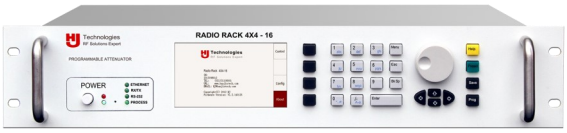
Radio Rack 4 x 4 - 16



Description:

Radio Rack 4 x 4 - 16 is a full 4 inputs and 4 outputs bidirectional attenuation matrix. Signals from any input to any output ports can be independently controlled on the total 16 attenuators with 0 - 110 dB range. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners.

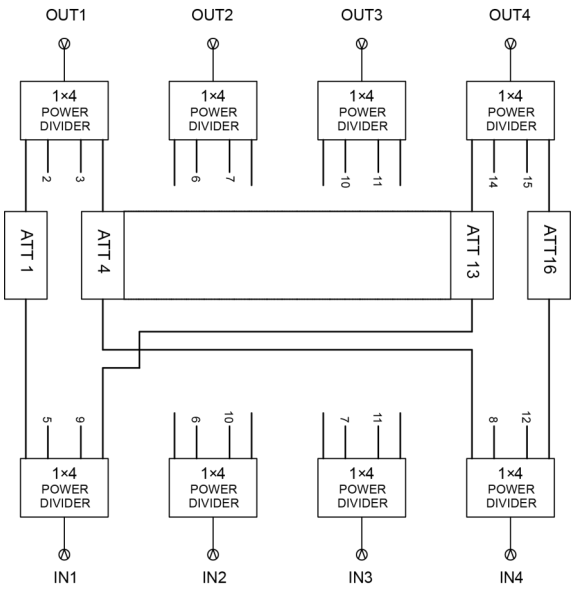
The instrument supports all the major wireless technologies the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/ WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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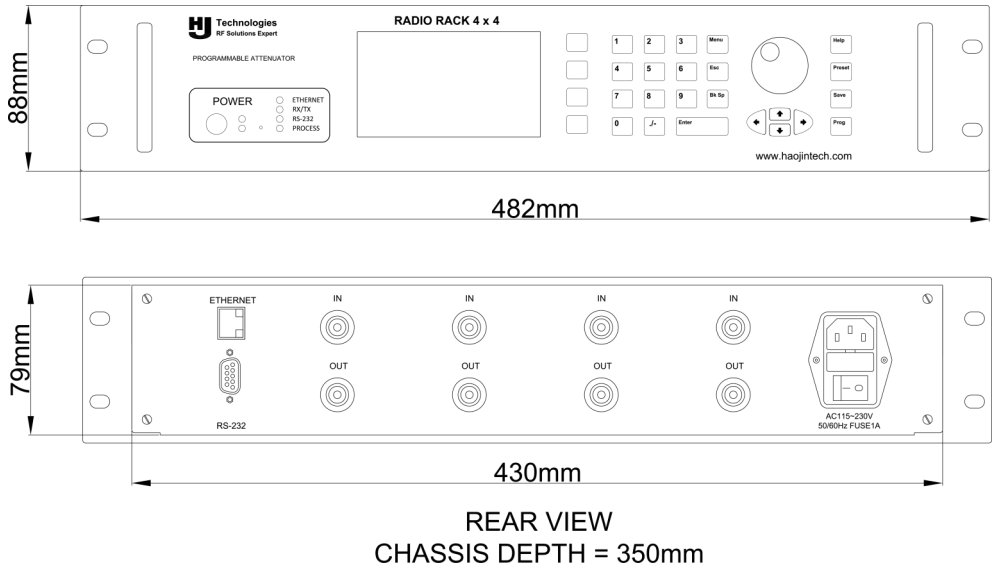
Programmable Attenuators

Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 21.5 dB@4GHz; ≤ 24 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



REAR VIEW
CHASSIS DEPTH = 350mm

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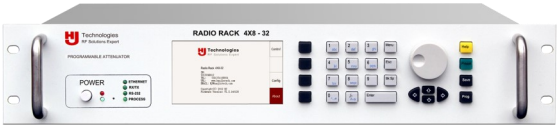
Radio Rack 4 x 8 - 32



Description:

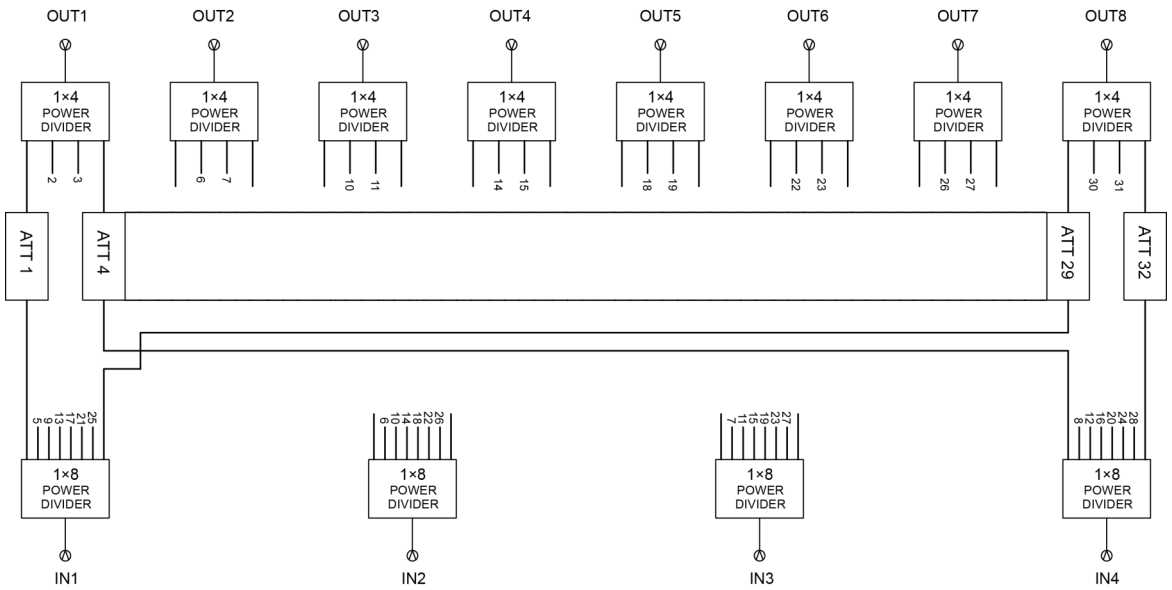
Radio Rack 4 x 8 - 32 is a full 4 inputs and 8 outputs bidirectional attenuation matrix. Signals from any input to any output ports can be independently controlled on the total 32 attenuators with 0 - 110 dB range. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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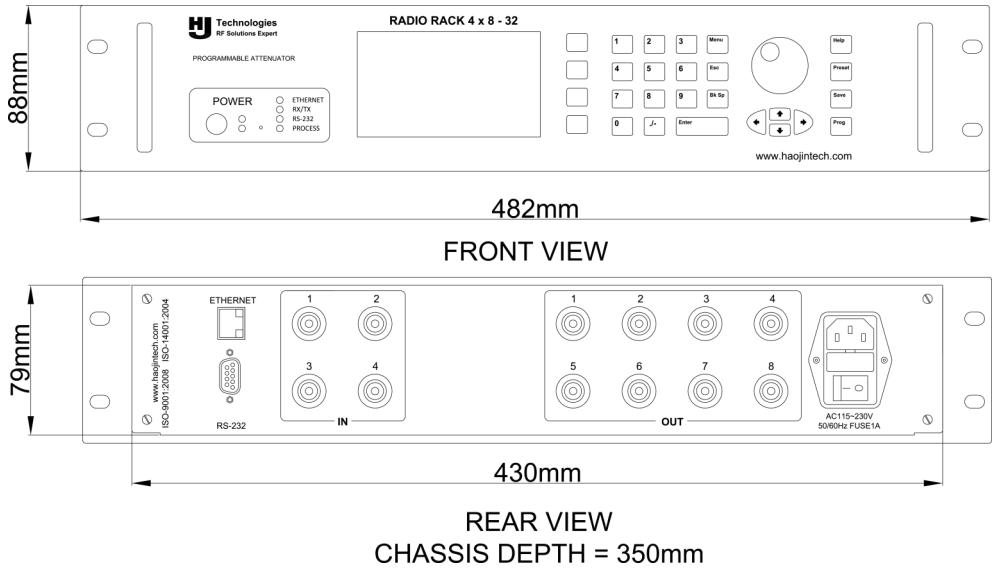
Programmable Attenuators

Technologies
RF Solutions Expert

Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 24.1 dB@4GHz; ≤ 28.0 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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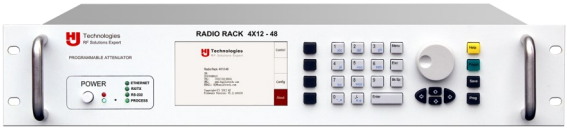
Radio Rack 4 x 12 - 48



Description:

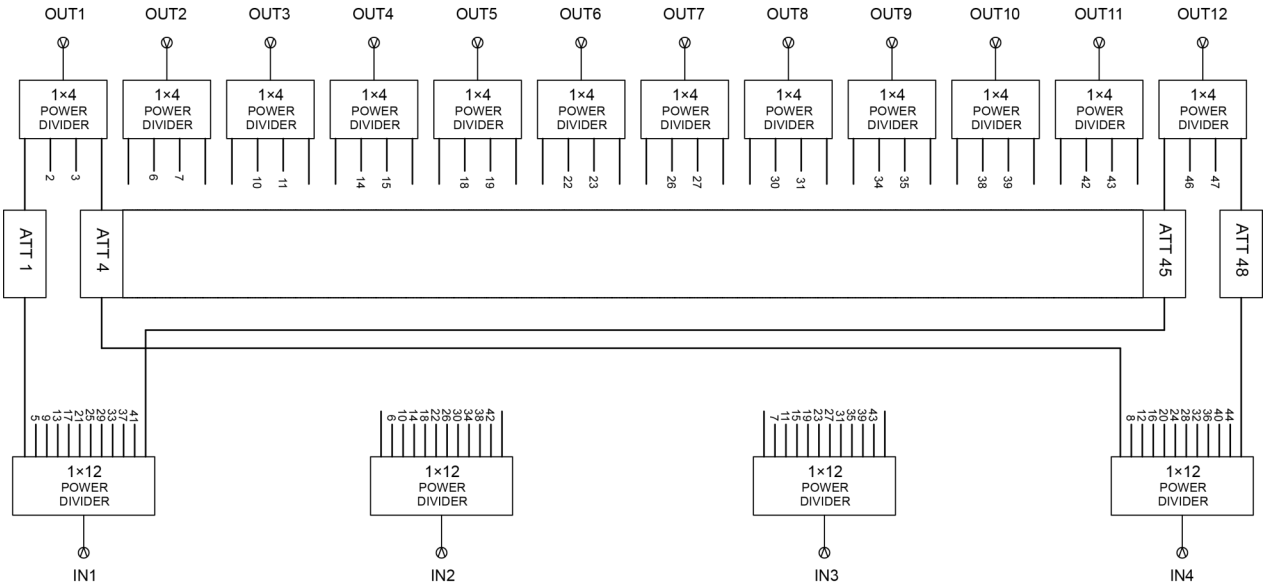
Radio Rack 4 x 12 - 48 is a full 4 inputs and 12 outputs bidirectional attenuation matrix. Signals from any input to any output ports can be independently controlled on the total 48 attenuators with 0 - 110 dB range. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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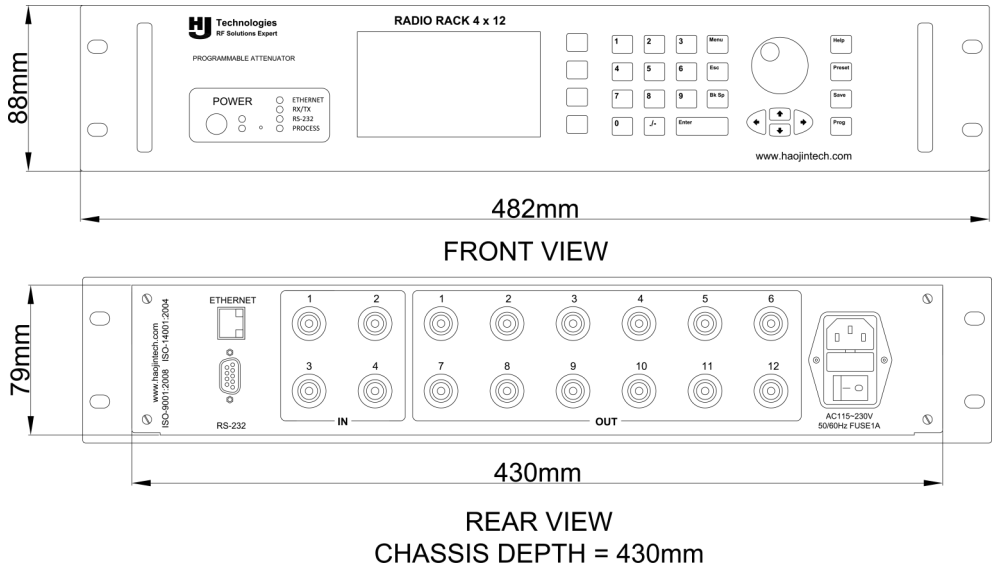
Programmable Attenuators

Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 24.7 dB@4GHz; ≤ 32 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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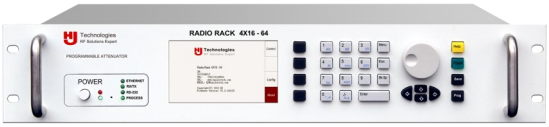
Radio Rack 4 x 16 - 64



Description:

Radio Rack 4 x 16 - 64 is a full 4 inputs and 16 outputs bidirectional attenuation matrix. Signals from any input to any output ports can be independently controlled on the total 64 attenuators with 0 - 110 dB range. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners.

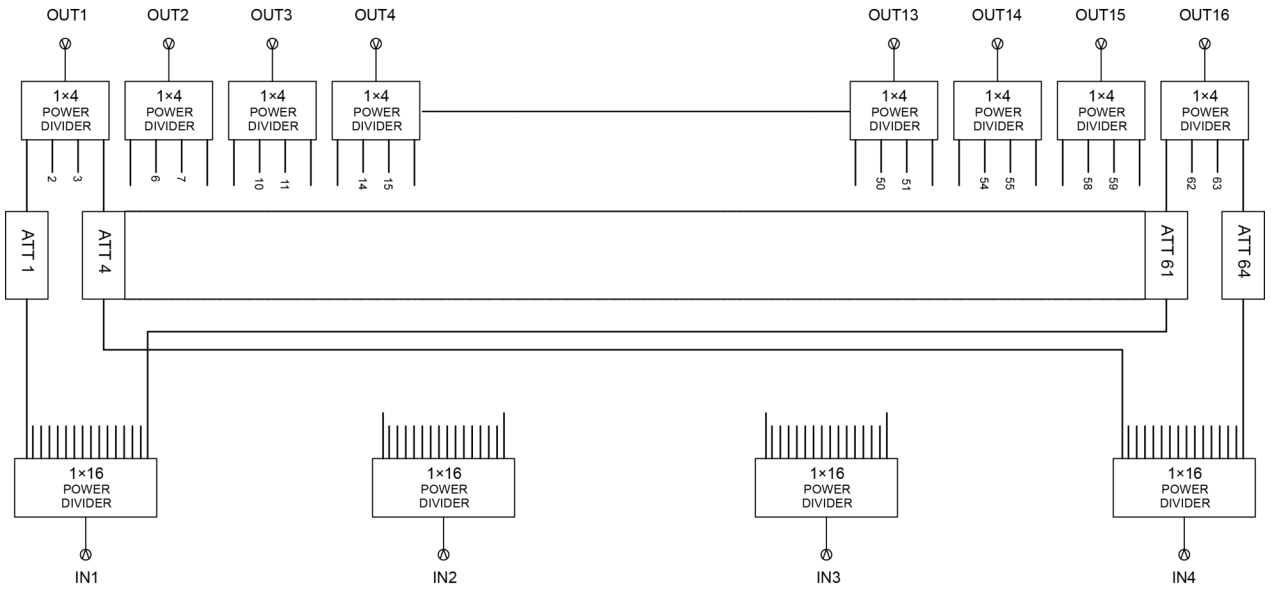
The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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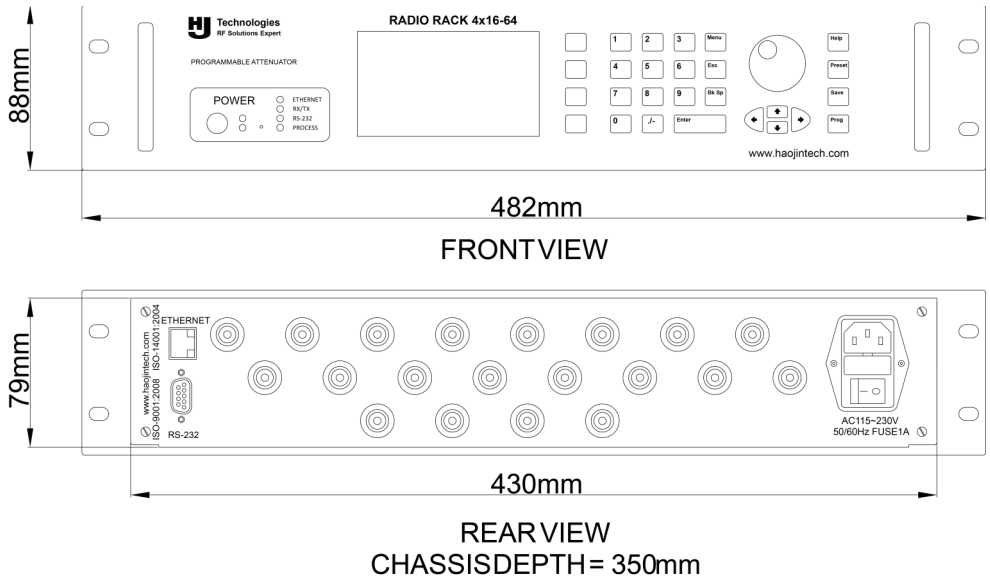
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 26.2 dB@4GHz; ≤ 34.4 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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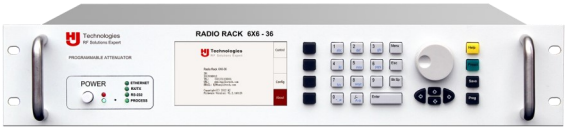
Radio Rack 6 x 6 - 36



Description:

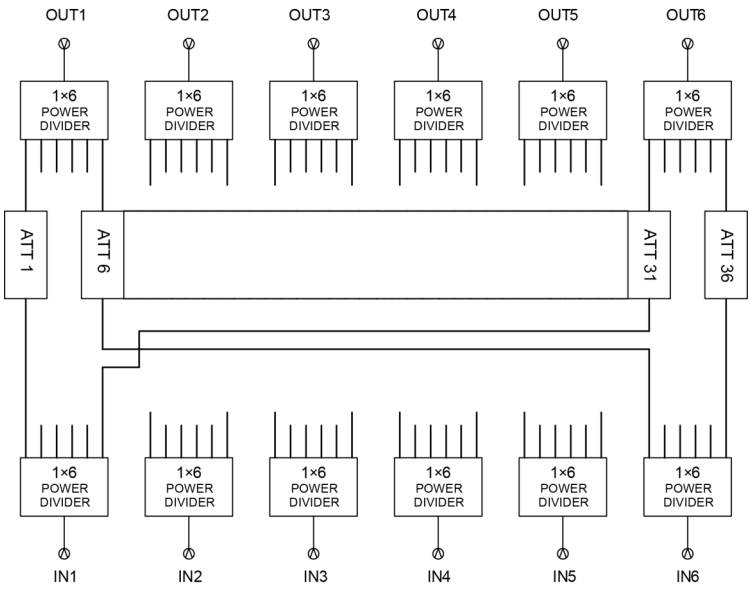
Radio Rack 6 x 6 - 36 is suitable for lab testing by controlling 36 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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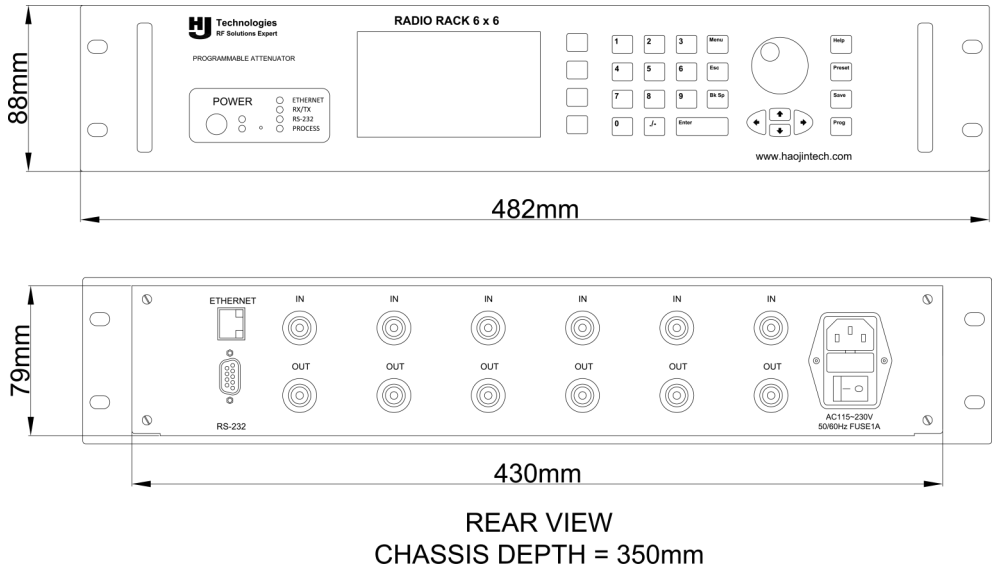
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 24 dB@4GHz; ≤ 30 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



REAR VIEW
CHASSIS DEPTH = 350mm

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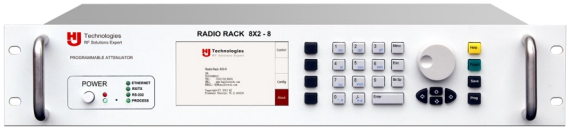
Radio Rack 8 x 2 - 8



Description:

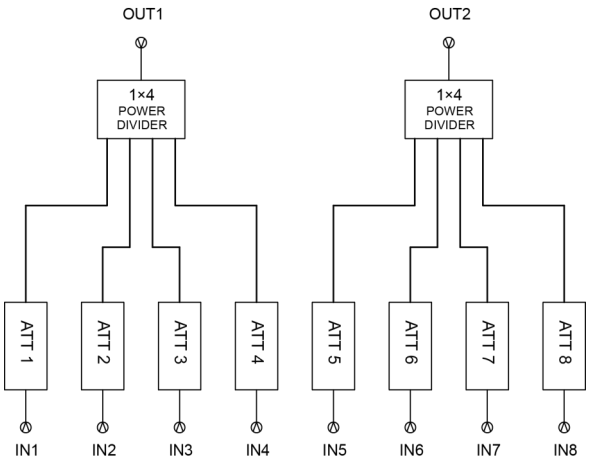
Radio Rack 8 x 2 - 8 includes two independent 4x1 bidirectional attenuation sub - systems. Each sub - system can control 4 independent RF attenuation input channels and combined at one output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/ WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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Programmable Attenuators

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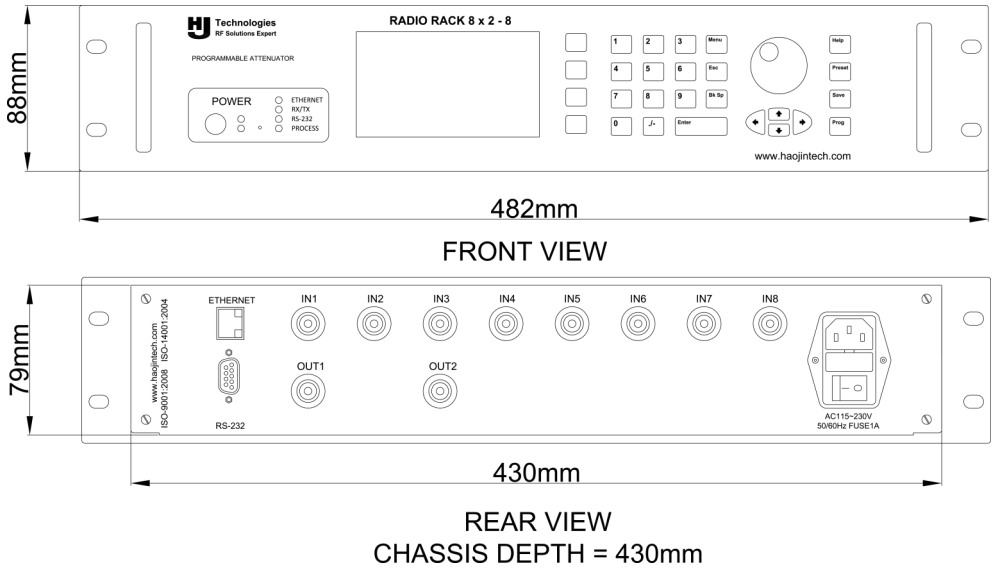
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 14.8 dB@4GHz; ≤ 17 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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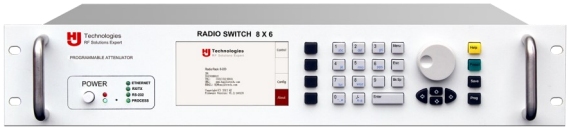
Radio Rack 8 x 6 - 48



Description:

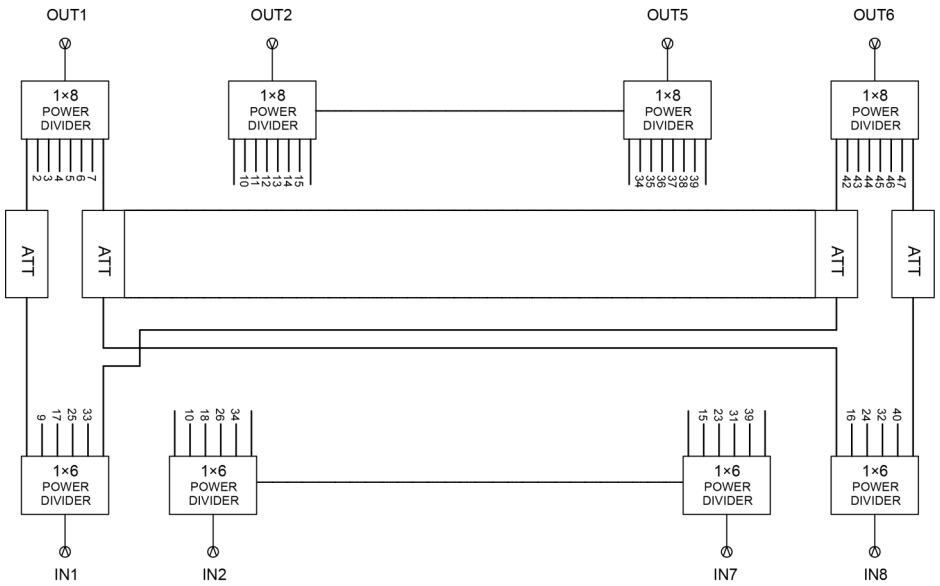
Radio Rack 8 x 6 - 48 is suitable for lab testing by controlling 48 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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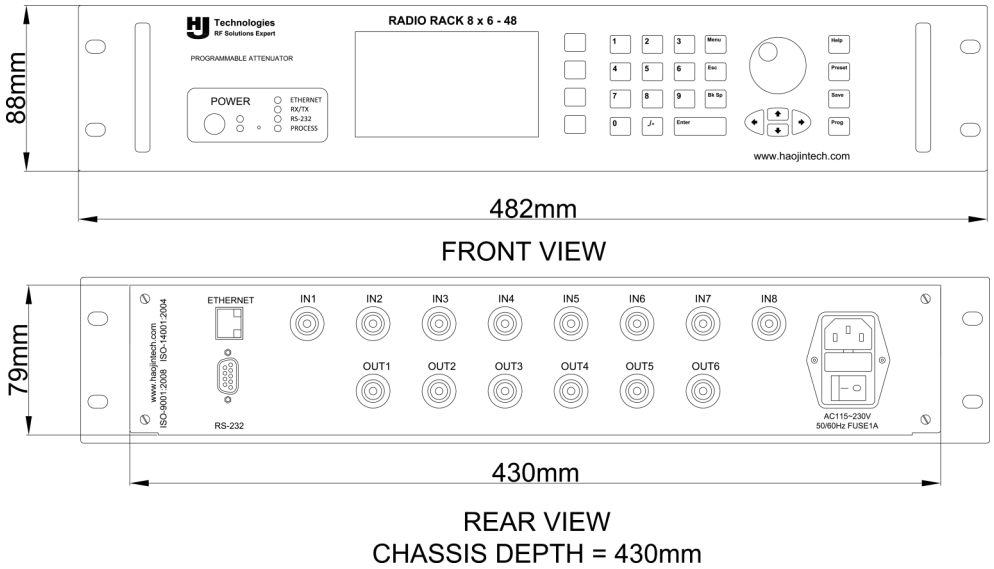
Programmable Attenuators

Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 26.6 dB@4GHz; ≤ 31.2 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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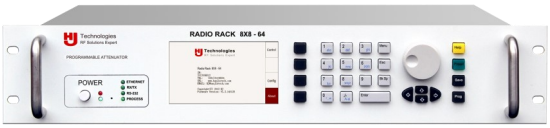
Radio Rack 8 x 8 - 64



Description:

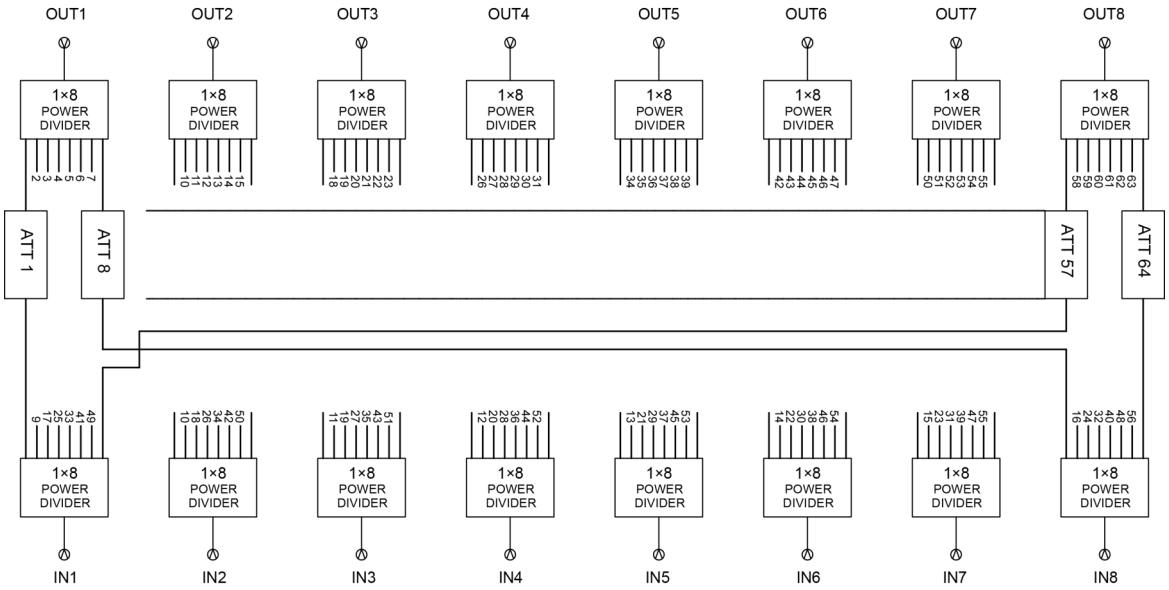
Radio Rack 8 x 8 - 64 is suitable for lab testing by controlling 64 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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Programmable Attenuators

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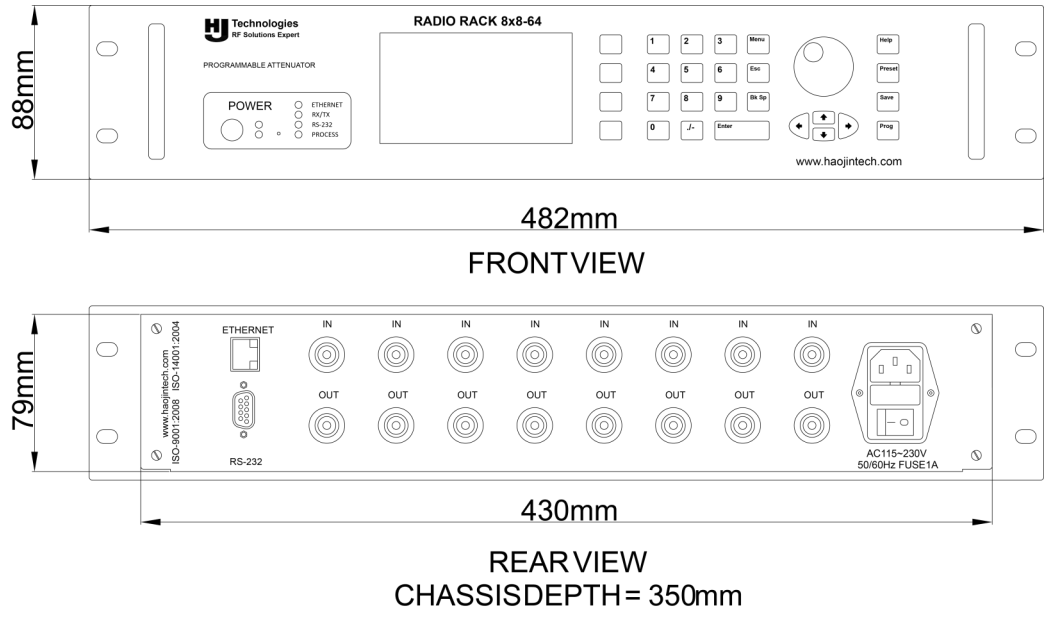
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 28.6 dB@4GHz; ≤ 32.4 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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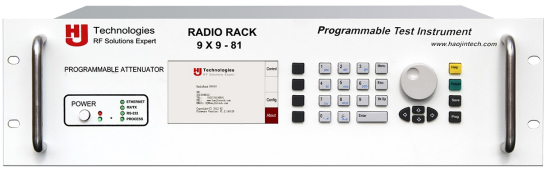
Radio Rack 9 x 9 - 81



Description:

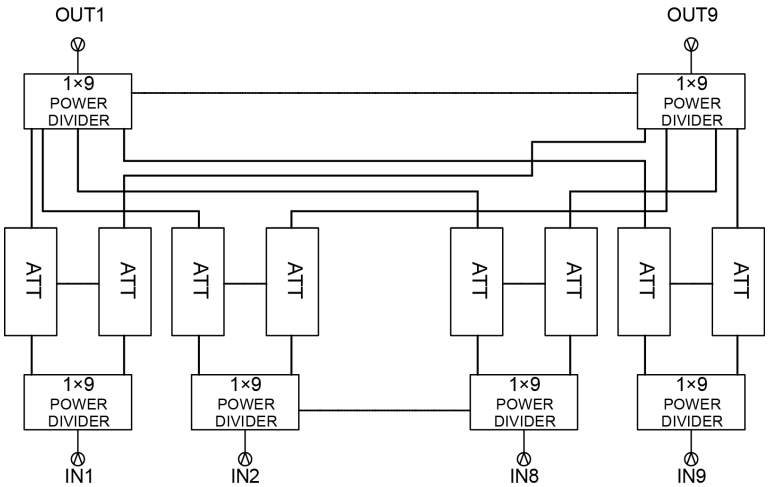
Radio Rack 9 x 9 - 81 is suitable for lab testing by controlling 81 independent bidirectional RF channels. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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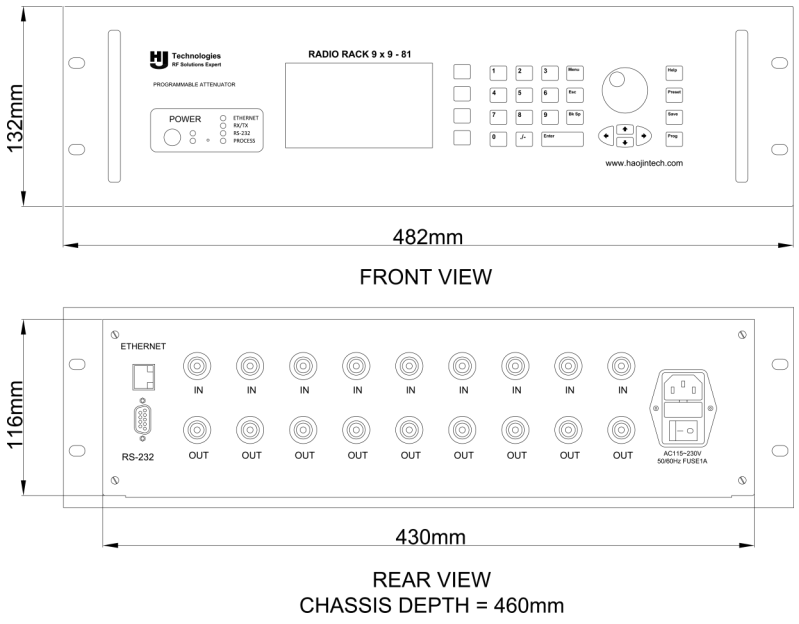
Specification:

Specification	Description:
Height	3U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	2
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 30 dB@4GHz; ≤ 37.6 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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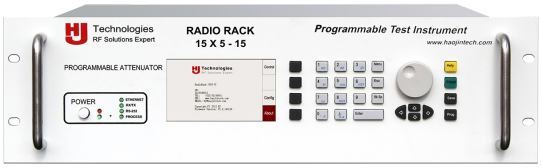
Radio Rack 15 x 5 - 15



Description:

Radio Rack 15 x 5 - 15 includes five independent 3x1 bidirectional attenuation sub-systems connecting to all the inputs through 15 attenuators. Each sub - system can control 3 independent RF attenuation input channels and combined at five output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners.

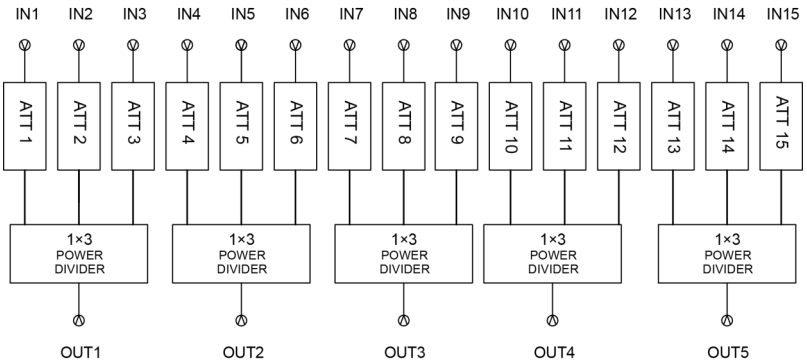
The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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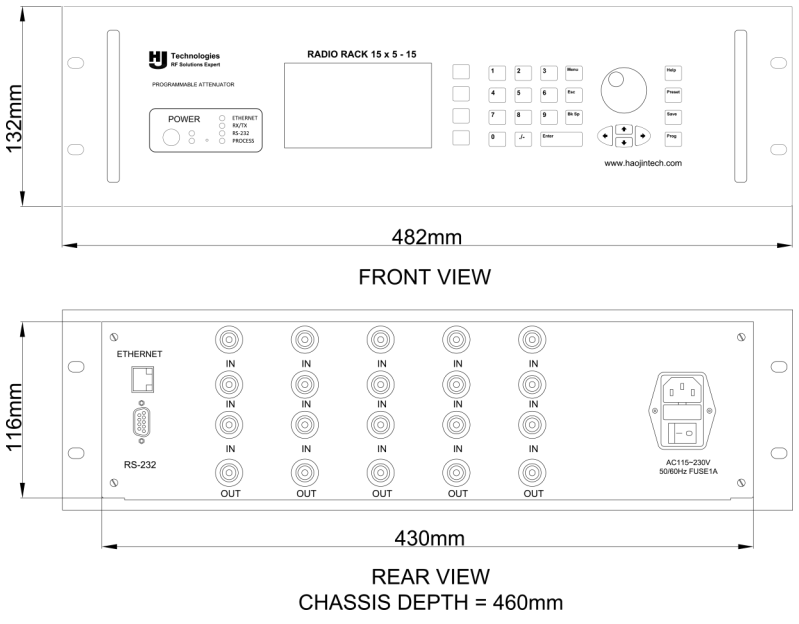
Specification:

Specification	Description:
Height	3U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 13.4 dB@4GHz; ≤ 16.9 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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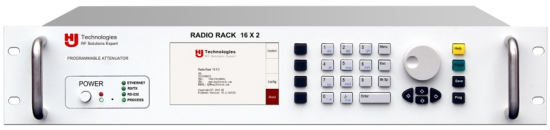
Radio Rack 16 x 2 - 16



Description:

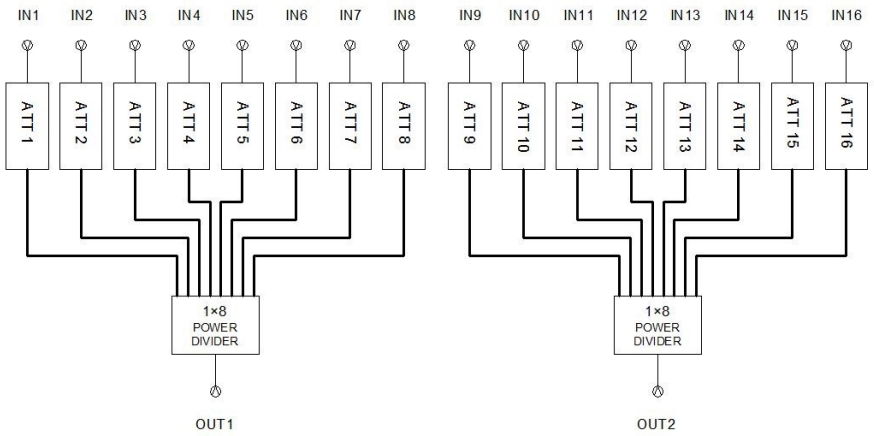
Radio Rack 16 x 2 - 16 includes two independent 8x1 bidirectional attenuation sub - systems. Each sub - system can control 8 independent RF attenuation input channels and combined at one output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/ UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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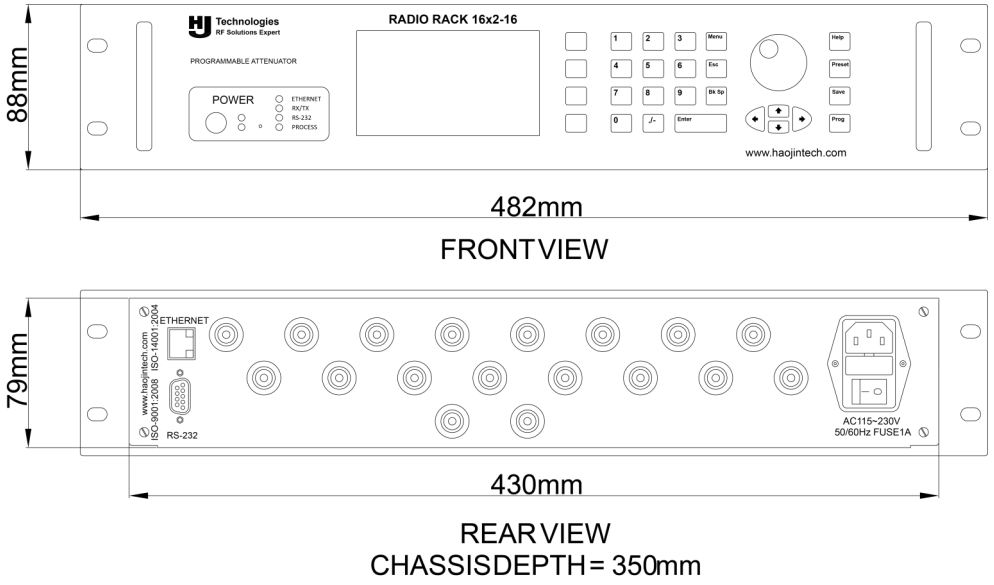
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 18.6 dB@4GHz; ≤ 21.2 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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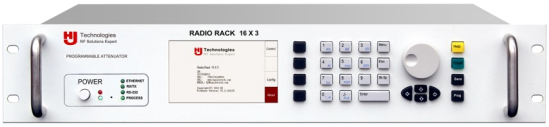
Radio Rack 16 x 3 - 16



Description:

Radio Rack 16 x 3 - 16 includes two independent 8x1 bidirectional attenuation sub-systems and one output connecting to all the inputs through 16 attenuators. Each sub - system can control 8 independent RF attenuation input channels and combined at one output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners.

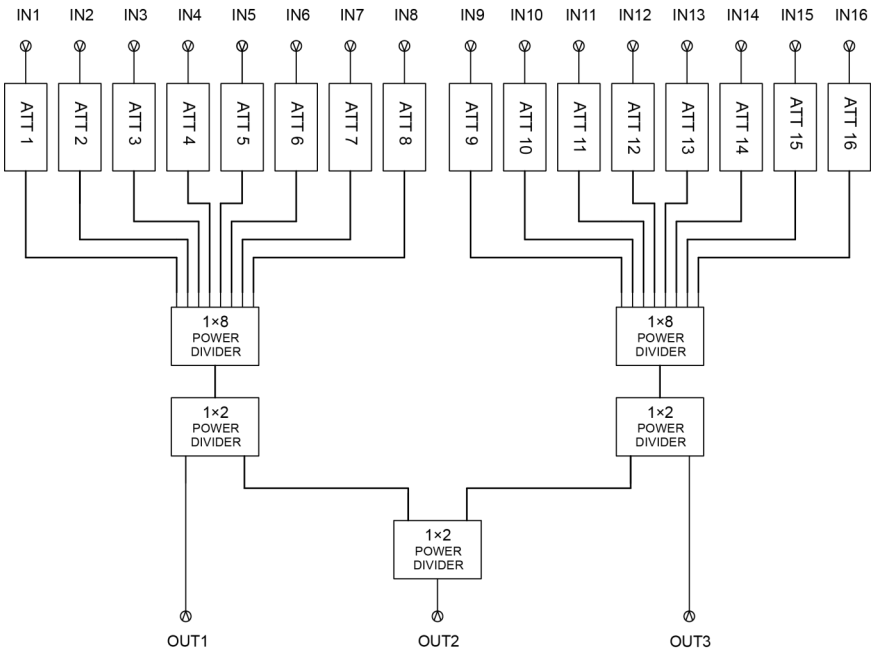
The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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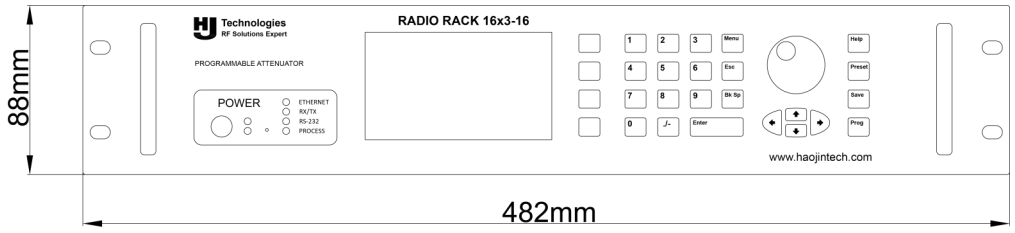
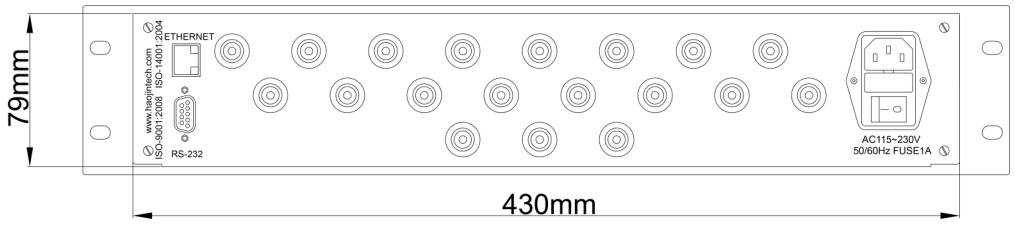
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	Out1, Out3: ≤ 21.9 dB@4GHz; ≤ 35.6 dB@6GHz Out2: ≤ 25.2 dB@4GHz; ≤ 39 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



FRONT VIEW



REAR VIEW
CHASSIS DEPTH = 350mm

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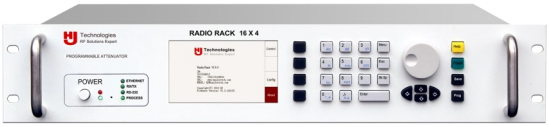
Radio Rack 16 x 4 - 16



Description:

Radio Rack 16 x 4 - 16 includes four independent 4x1 bidirectional attenuation sub - systems. Each sub - system can control 4 independent RF attenuation input channels and combined at one output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners.

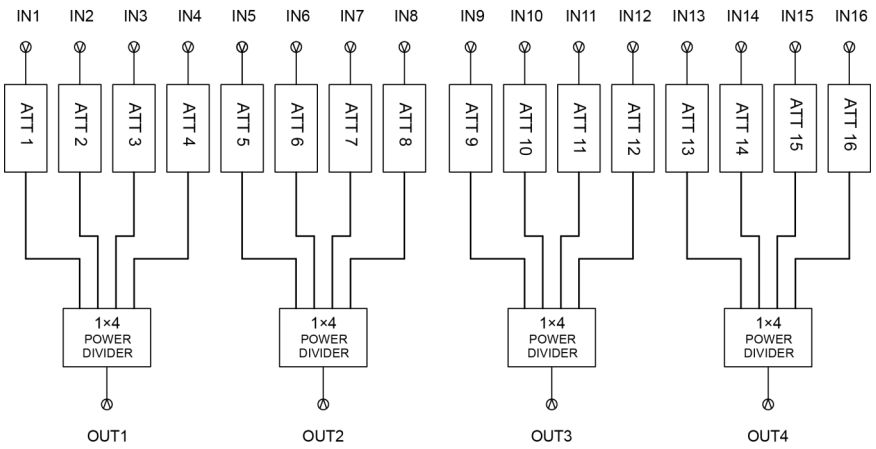
The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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Programmable Attenuators

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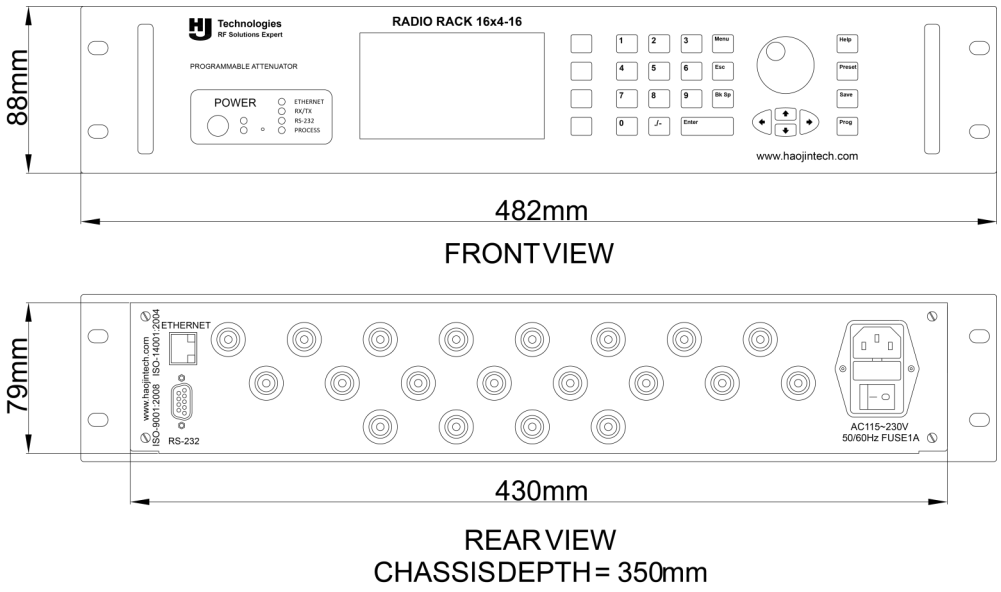
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 14.8 dB@4GHz; ≤ 17 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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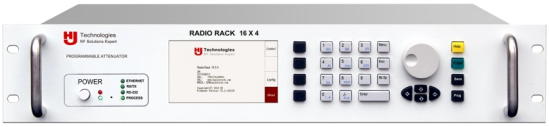
Radio Rack 16 x 4 - 16B



Description:

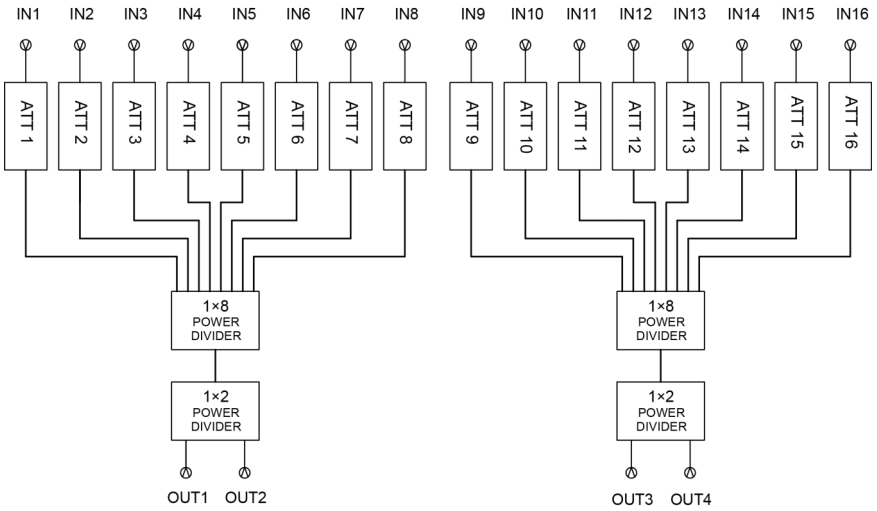
Radio Rack 16 x 4 - 16B includes two independent 8 - 2 bidirectional attenuation sub - systems. Each sub - system can control 8 independent RF attenuation input channels and combined at one output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/ EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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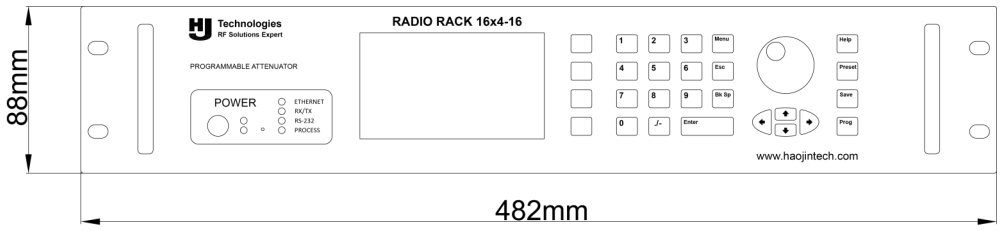
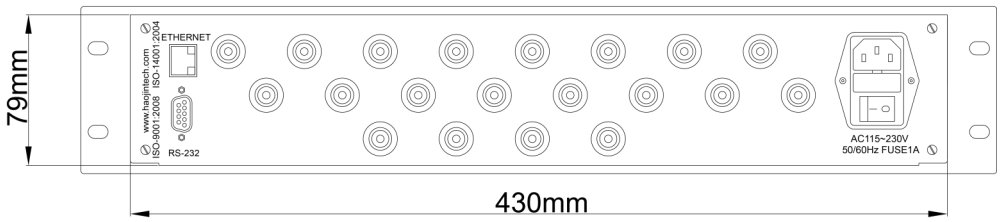
Specification:

Specification	Description:
Height	2U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 21.9 dB@4GHz; ≤ 35.6 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



FRONT VIEW



REAR VIEW
CHASSIS DEPTH = 350mm

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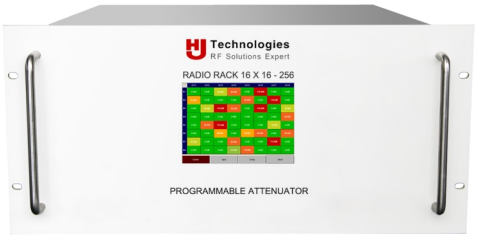
Radio Rack 16 x 16 - 256



Description:

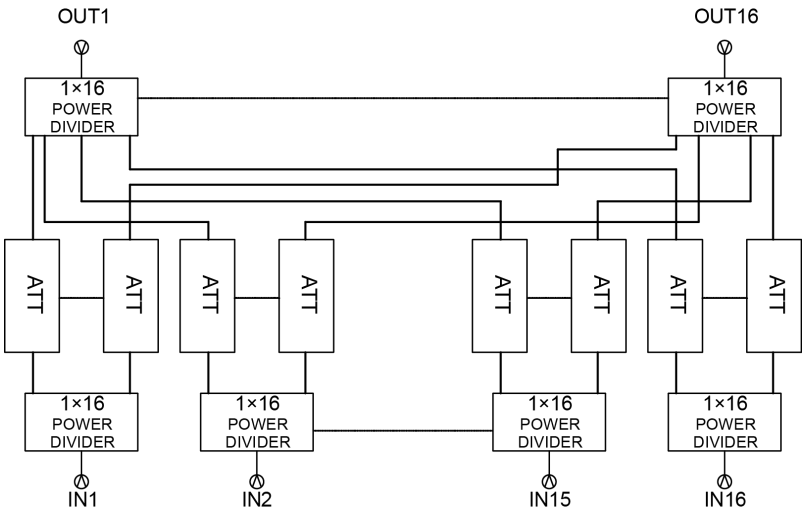
Radio Rack 16 x 16 - 256 is suitable for lab testing by controlling 256 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/ UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

System Diagram



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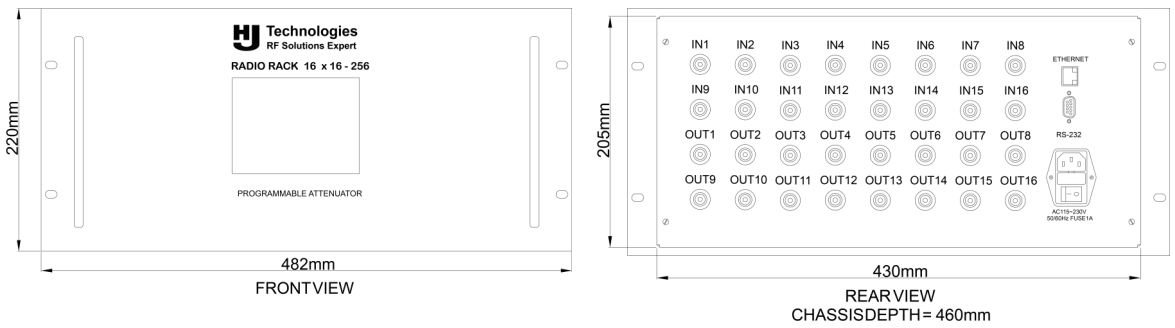
Specification:

Specification	Description:
Height	5U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 35.7 dB@4GHz; ≤ 39.9 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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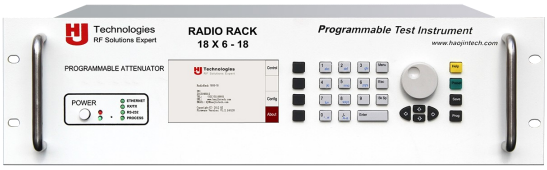
Radio Rack 18 x 6 - 18



Description:

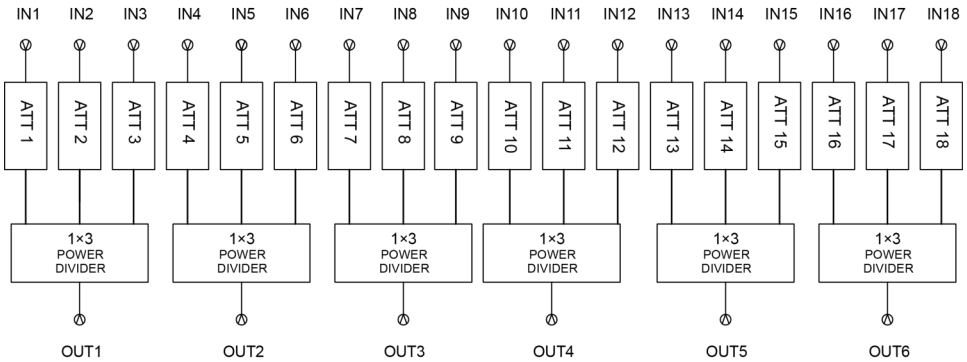
Radio Rack 18 x 6 - 18 includes six independent 3x1 bidirectional attenuation sub-systems connecting to all the inputs through 18 attenuators. Each sub - system can control 3 independent RF attenuation input channels and combined at six output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/ EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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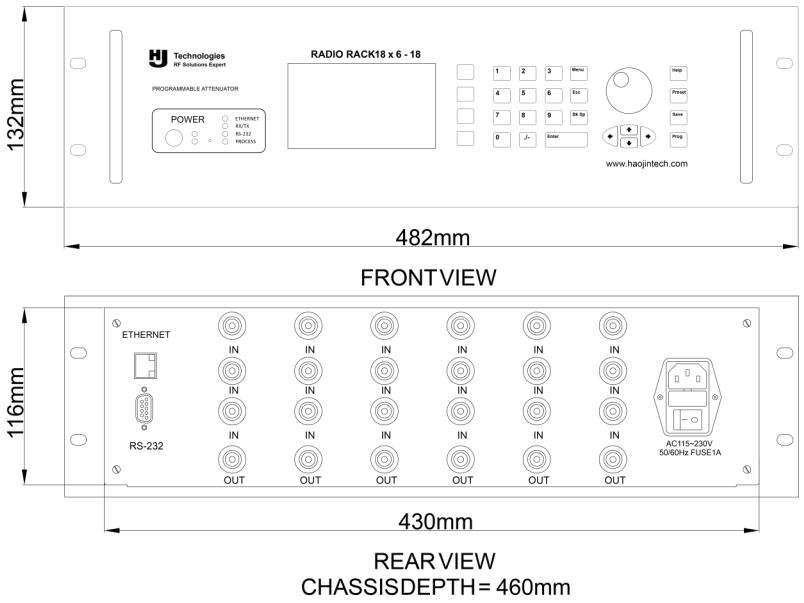
Specification:

Specification	Description:
Height	3U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.4
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 13.4 dB@4GHz; ≤ 16.9 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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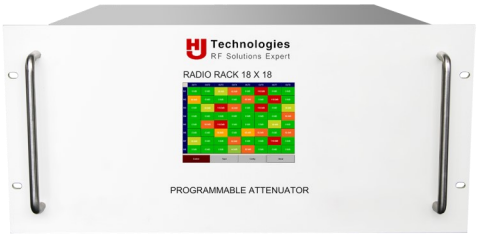
Radio Rack 18 x 18 - 324



Description:

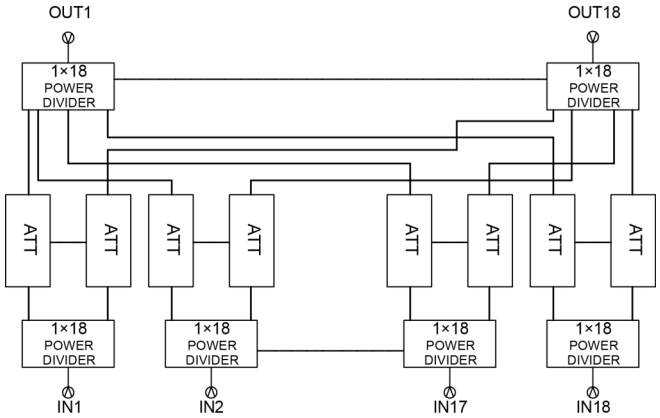
Radio Rack 18 x 18 - 324 is suitable for lab testing by controlling 324 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/ UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

System Diagram



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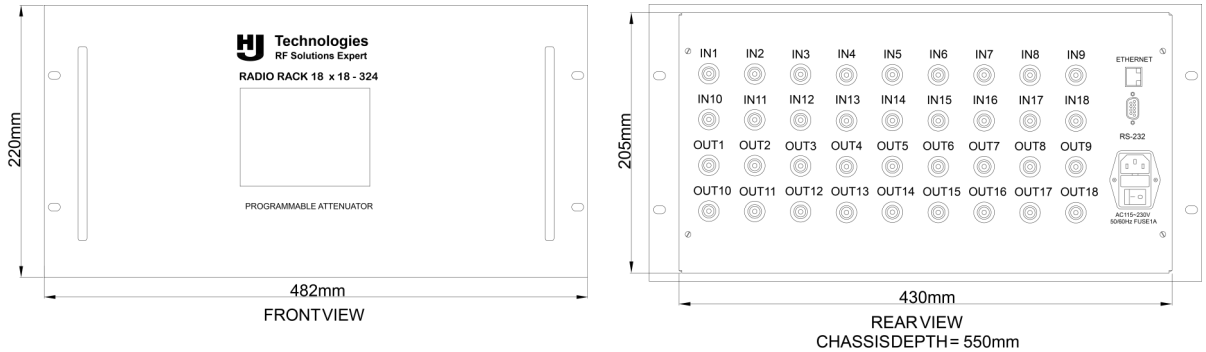
Programmable Attenuators

Technologies
RF Solutions Expert

Specification:

Specification	Description:
Height	5U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 37.3 dB@4GHz; ≤ 43.3 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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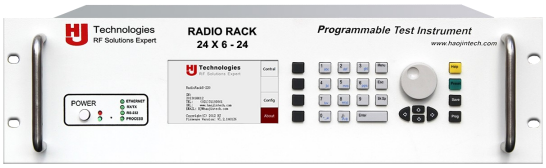
Radio Rack 24 x 6 - 24



Description:

Radio Rack 24 x 6 - 24 includes four independent 4x1 bidirectional attenuation sub - systems. Each sub - system can control 4 independent RF attenuation input channels and combined at one output. Users can easily simulate path loss on each channel or simulate the mobility scenarios between the sectors with usage of power combiners.

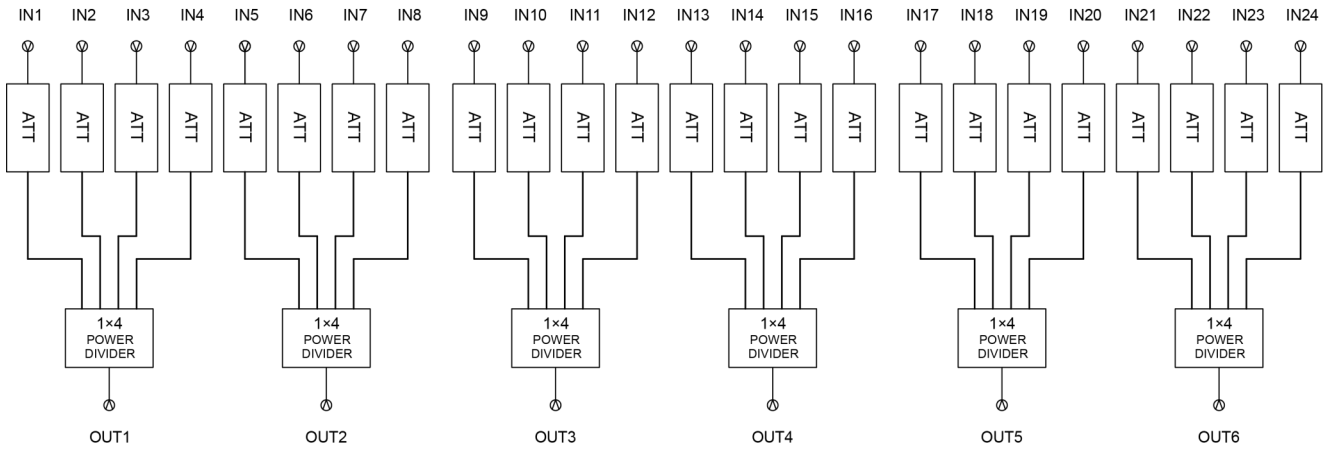
The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 127 dB attenuation values for each individual channel.

System Diagram



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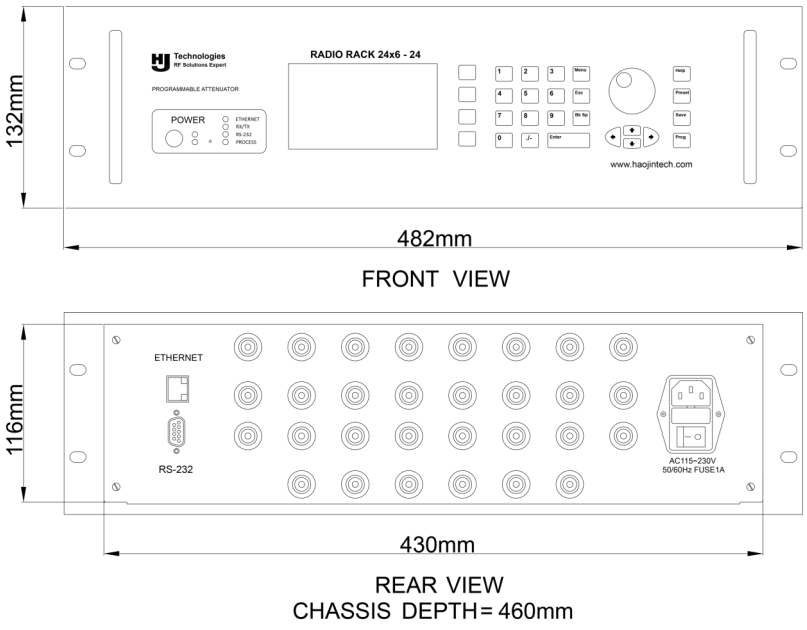
Specification:

Specification	Description:
Height	3U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 110 dB / 127 dB
Attenuation Step	1 dB / 0.5 dB / 0.25 dB per step
VSWR (Avg.)	1.35
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 95 ≤ ±1.5%; 96 - 127 ≤ ±3%
Insertion Loss	≤ 14.8 dB@4GHz; ≤ 17 dB@6GHz
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 4.3 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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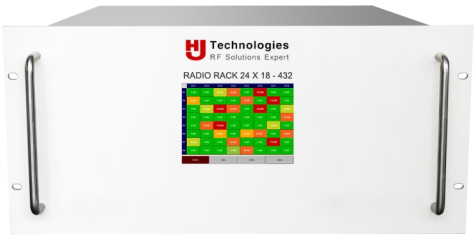
Radio Rack 24 x 18 - 432



Description:

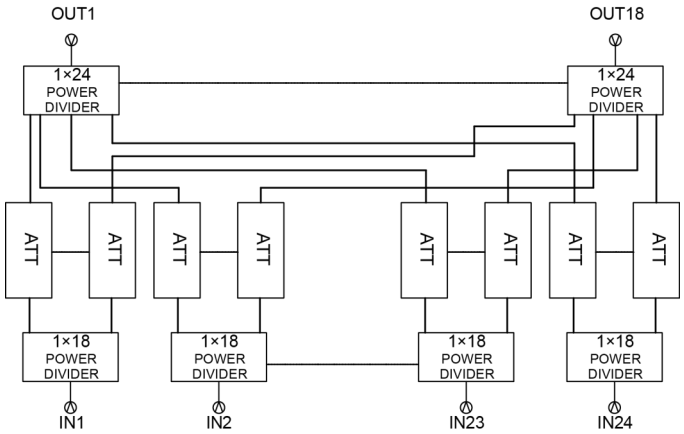
Radio Rack 24 x 18 - 432 is suitable for lab testing by controlling 432 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/ UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

System Diagram



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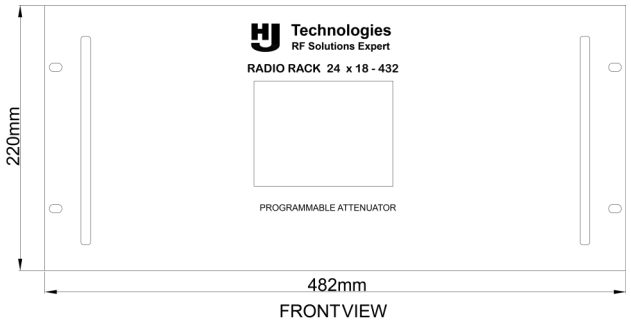
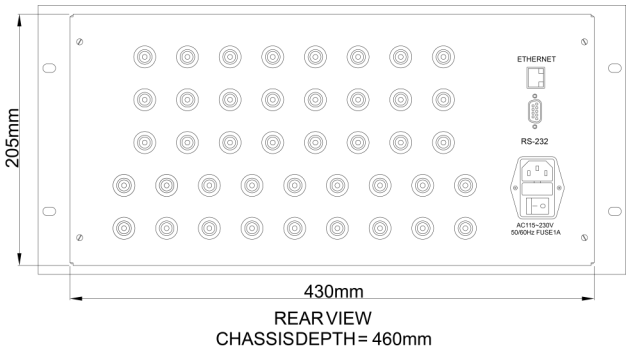
Specification:

Specification	Description:
Height	5U / 6U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 38.6 dB@4GHz; ≤ 44.6 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension





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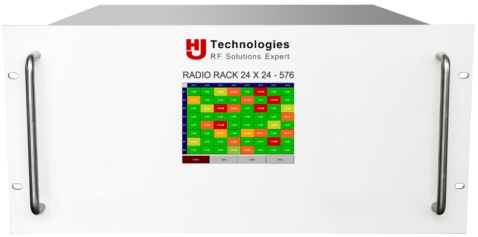
Radio Rack 24 x 24 - 576



Description:

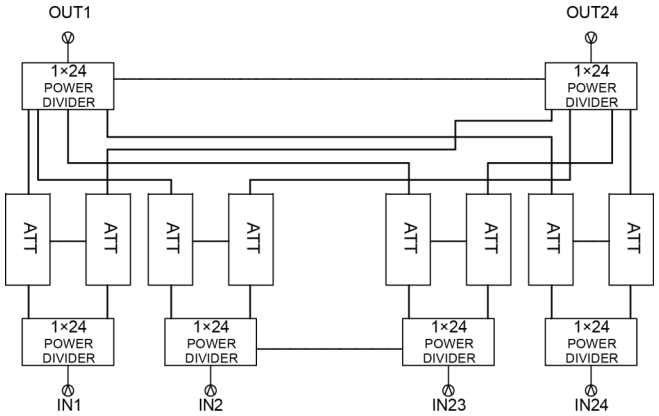
Radio Rack 24 x 24 - 576 is suitable for lab testing by controlling 576 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/ UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

System Diagram



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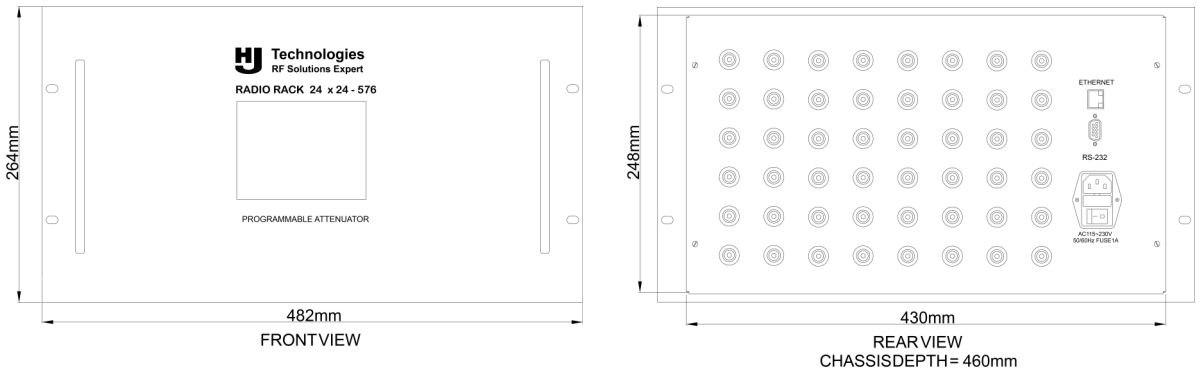
Programmable Attenuators

Specification:

Specification	Description:
Height	6U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 39.9 dB@4GHz; ≤ 45.9 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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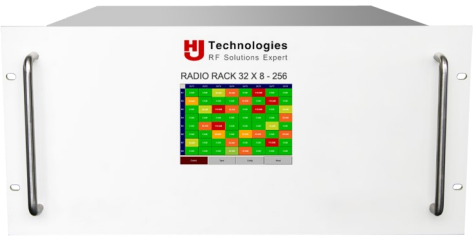
Radio Rack 32 x 8 - 256



Description:

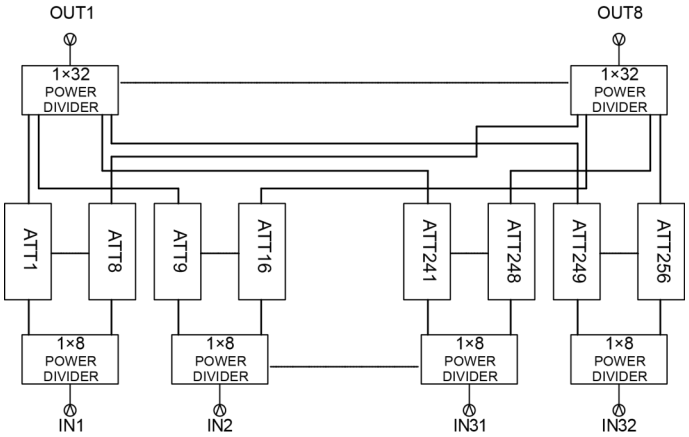
Radio Rack 32 x 8 - 256 is suitable for lab testing by controlling 256 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/ HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

System Diagram



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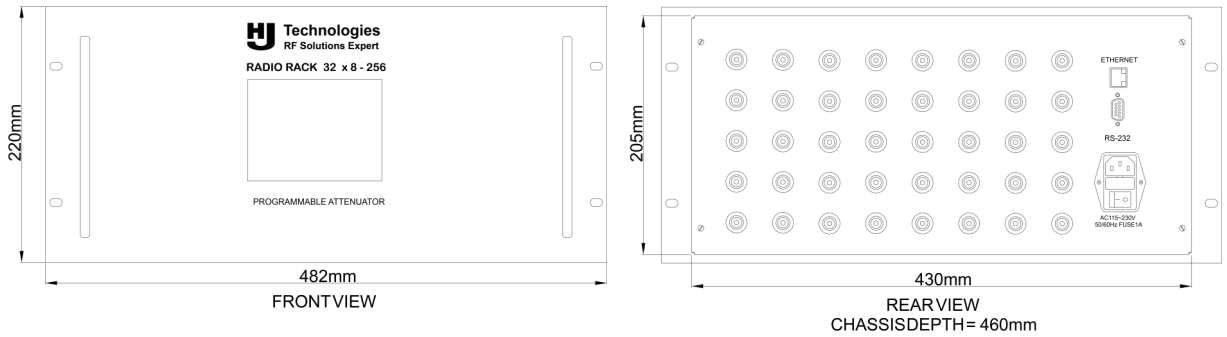
Programmable Attenuators

Technologies
RF Solutions Expert

Specification:

Specification	Description:
Height	5U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 33.5 dB@4GHz; ≤ 38.1 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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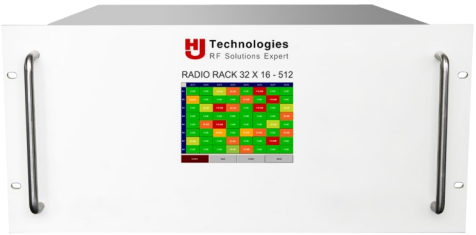
Radio Rack 32 x 16 - 512



Description:

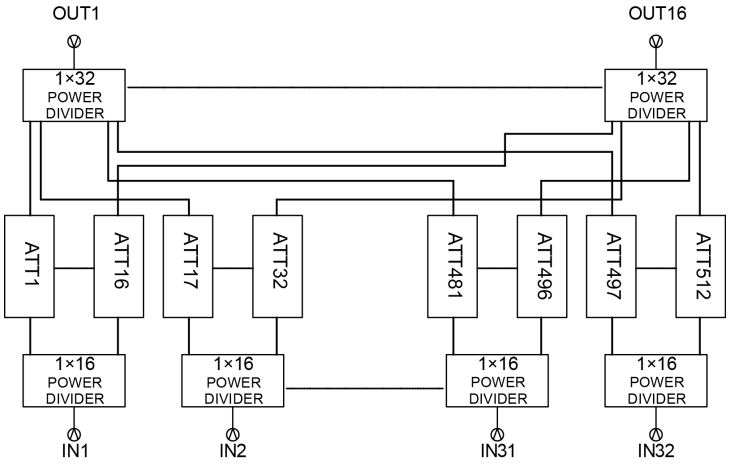
Radio Rack 32 x 16 - 512 is suitable for lab testing by controlling 256 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/ UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

System Diagram



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Programmable Attenuators

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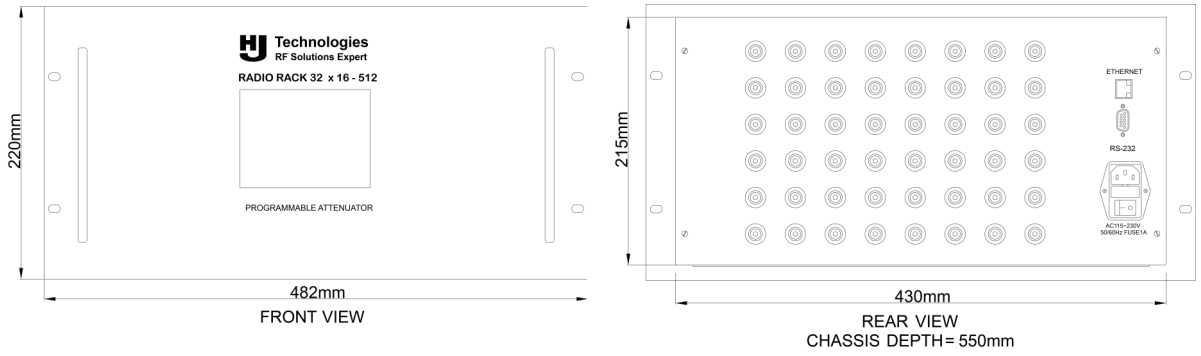
Specification:

Specification	Description:
Height	5U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 37.8 dB@4GHz; ≤ 43.1 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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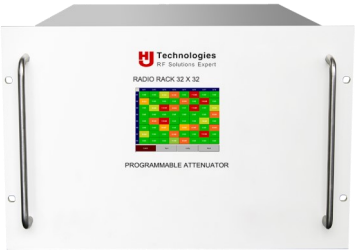
Radio Rack 32 x 32 - 1024



Description:

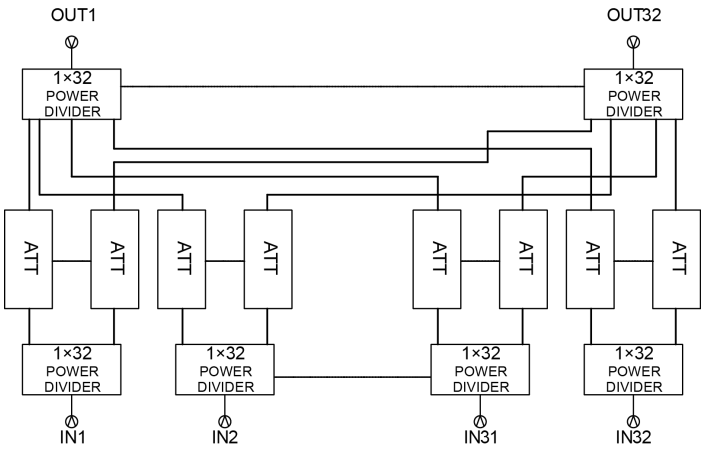
Radio Rack 32 x 32 - 1024 is suitable for lab testing by controlling 1024 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/ GSM/UMTS/HSPA/LTE/WiMAX.

Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

System Diagram



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Programmable Attenuators

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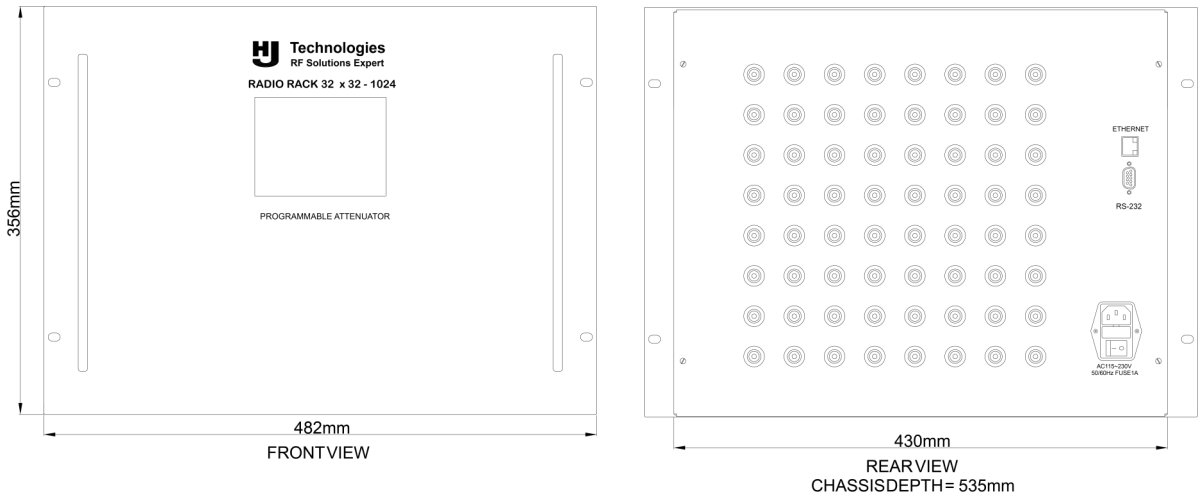
Specification:

Specification	Description:
Height	8U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 40.9 dB@4GHz; ≤ 46.3 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

Dimension



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Radio Rack 64 x 64 - 4096

Description:

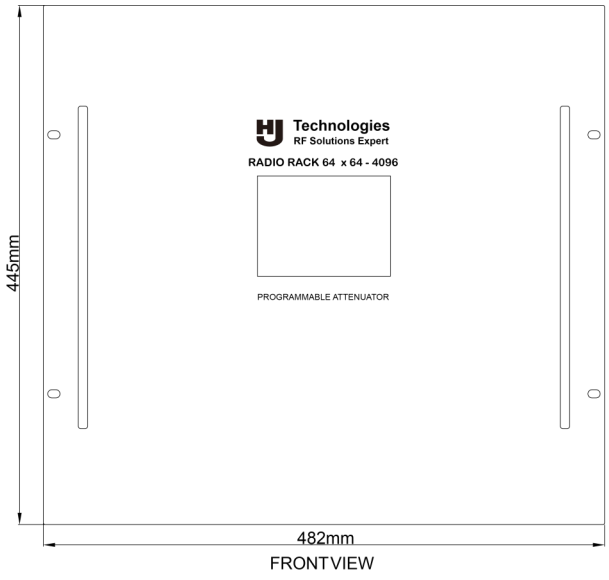
Radio Rack 64 x 64 - 4096 is suitable for lab testing by controlling 4096 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/ GSM/UMTS/HSPA/LTE/WiMAX.

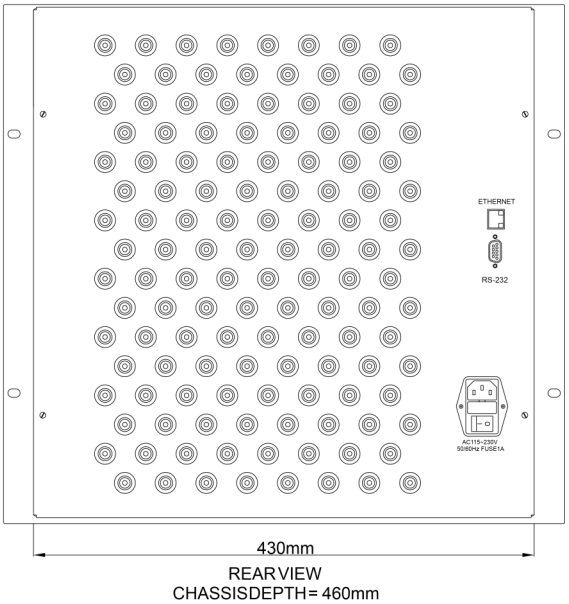
Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

Dimension





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Specification:

Specification	Description:
Height	10U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 39.9 dB@4GHz; ≤ 46.3 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

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Radio Rack 128 x 128 - 16384

Description:

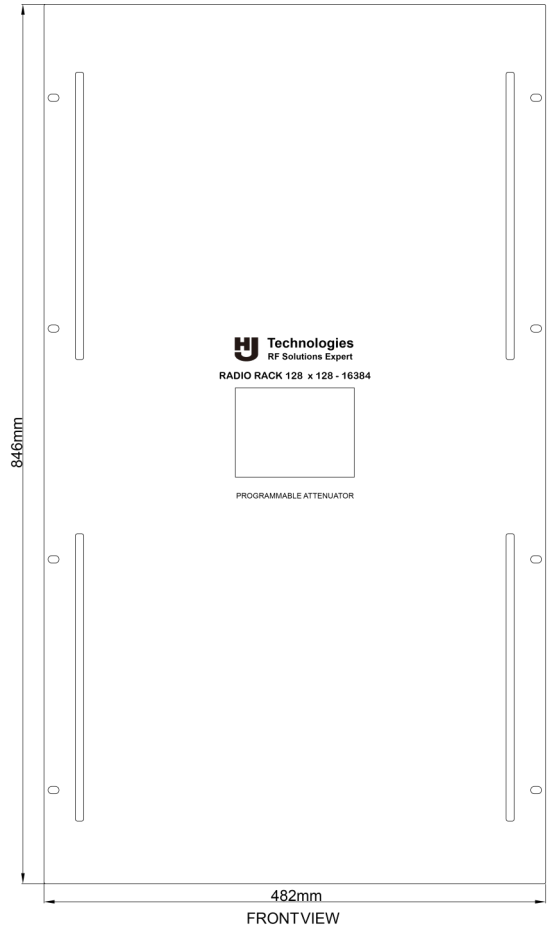
Radio Rack 128 x 128 - 16384 is suitable for lab testing by controlling 16384 individual bidirectional RF channels independently. Users can easily simulate path loss on each channel or simulate mobility scenarios between the sectors with usage of power combiners. The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

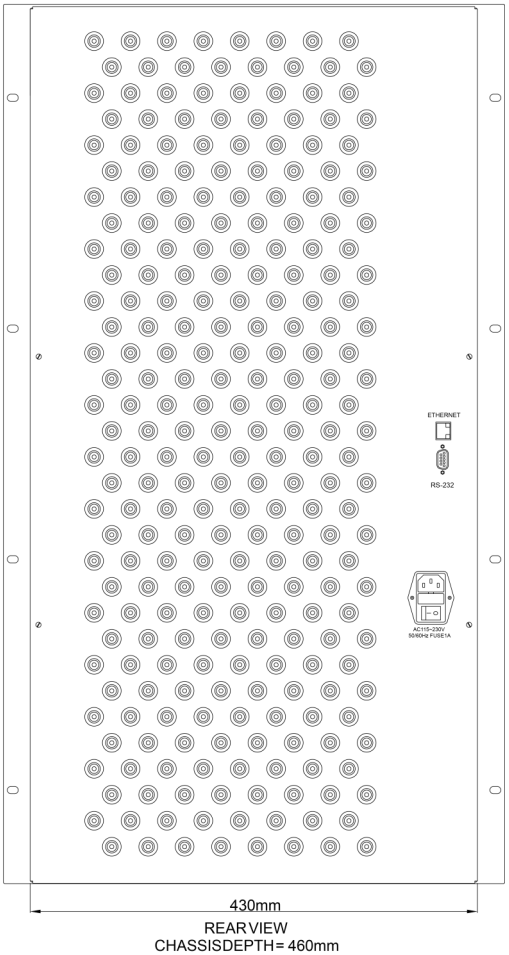
Features:

Each individual attenuator can be controlled manually from the front panel, by Radio Rack's or customer own applications through RS232, or Ethernet with API commands.

The system supports sweeping range between 0 - 61 dB attenuation values for each individual channel.

Dimension





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Specification:

Specification	Description:
Height	19U
Frequency Range	700 MHz - 4 GHz / 6 GHz (Option W600)
Impedance	50 Ω
Attenuation Range	0 - 95 dB
Attenuation Step	0.5 dB / 0.25 dB per step
VSWR (Avg.)	IN: 1.5 OUT: 1.7
Attenuation Accuracy	0 - 31 ≤ ±0.3 dB; 32 - 61 ≤ ±0.5 dB; 62 - 95 ≤ ±1.5%
Insertion Loss	≤ 39.9 dB@4GHz; ≤ 46.3 dB@6GHz
Total Isolation	IN/IN: ≥ 100 dB IN/OUT: ≥ 95 dB OUT/OUT: ≥ 100 dB
Input Power (Avg.)	+33 dBm
Power Supply	100 - 240 V_{AC} 50 - 60 Hz
Control Interface	RS - 232 and Ethernet
Display	Color 5.6 - inch HD Touch Display
RF Input Connector	N (F)
Temperature Range	-10 to +50°C

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