

# R&S® FPC1500 Spectrum Analyzer with the Value of Three

## Unexpected performance in entry class



### The perfect choice for

R&D and service labs

Test automation

Professional hobbyists

Education and training

### Key specifications

Frequency range	5 kHz to 1 GHz with upgrades up to 3 GHz
Max. input power	Up to +30 dBm
Low noise floor	Down to -165 dBm (typ. with preamplifier)
Connectivity	LAN, USB, Wi-Fi (optional)
Measurement options	modulation analysis, receiver mode, advanced measurements
Tracking Generator	5 kHz to 1/2/3 GHz

Your benefit	Features
Value of three	R&S®FPC1500 combines the value of a spectrum analyzer, a vector network analyzer and a signal generator
More resolution for better measurements	Lowest noise floor in its class, down to -165 dBm (typ. with preamplifier), Resolution bandwidth down to 1 Hz, 10.1" WXGA display
Investment protection	All upgrades available via keycode, no additional calibration required

### Value of three

R&S®FPC1500 combines three instruments in one:

#### ■ Spectrum analyzer

The R&S®FPC1500 base instrument has a frequency range from 5 kHz to 1 GHz with keycode options to unlock up to 3 GHz and other features. Engineered in Germany, it provides the best dynamic range in its class. In combination with RBW settings down to 1 Hz, it resolves the finest details, which are displayed on the high-resolution 10.1" WXGA display. Wired or wireless remote control options are available free of charge.

#### ■ Network analyzer

The R&S®FPC1500 features an internal VSWR bridge that makes purchasing and mounting/dismounting an external bridge unnecessary. S11 reflection measurements are supported, including Smith chart and DTF features.

#### ■ Signal generator

The R&S®FPC1500 not only features standard tracking generator measurements with frequency offset functionality, its signal source is independent to enable signal generator functionality. A CW signal can be set within the frequency range, or in a coupled mode to follow the center frequency setting of the spectrum analyzer mode.

► For more information, see [www.rohde-schwarz.com/product/fpc1500](http://www.rohde-schwarz.com/product/fpc1500)

## Highlights

- ✓ Value of three

✓ Low noise floor

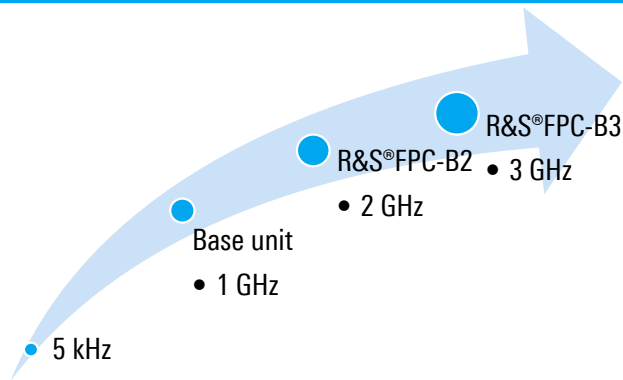
✓ High max. input power
- ✓ 10.1" display

✓ Flexible upgrade concept

✓ Easy to control

Class-leading spectrum analyzer engineered in Germany.

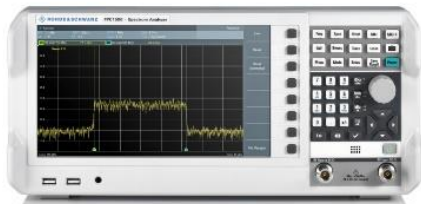
## Frequency extension using keycodes



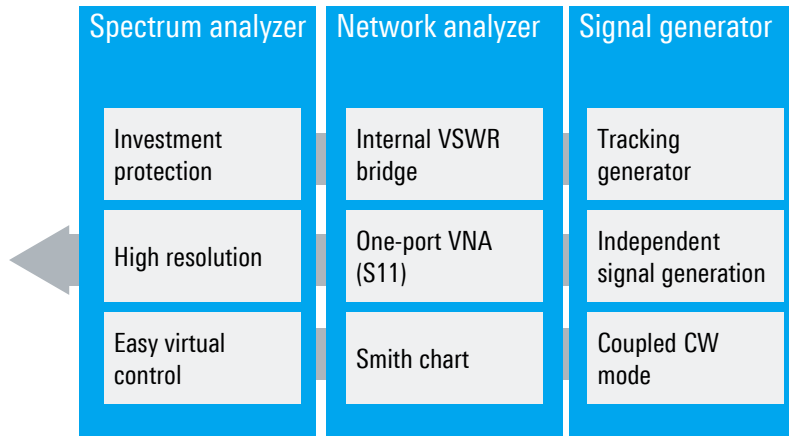
Buy what is needed, when it is needed.

## Ordering information

Model configuration information	
Base unit	Description
F&S®FPC1500	R&S®FPC1500 spectrum analyzer, 5 kHz to 1 GHz
Option	Description
R&S®FPC-B2	Spectrum analyzer frequency upgrade, 1 GHz to 2 GHz
R&S®FPC-B3	Spectrum analyzer frequency upgrade, 2 GHz to 3 GHz
R&S®FPC-B22	Spectrum analyzer preamplifier
R&S®FPC-B200	Wi-Fi connection support
R&S®FPC-K7	Modulation analysis
R&S®FPC-K42	Vector network analysis
R&S®FPC-K43	Receiver mode
R&S®FPC-K55	Advanced measurements
Accessories	Name
R&S®ZZA-FPC1	19" rackmount kit
R&S®HZ-15	Near-field probes, 30 MHz to 3 GHz (set of 5 probes)
R&S®HZ-16	Amplifier, 100 kHz to 3 GHz
R&S®HZ-17	Near-field probes, 30 MHz to 3 GHz (set of 2 probes)
R&S®RTB-Z3	Carrying case



More than a spectrum analyzer  
Value of three



Rohde & Schwarz Representative