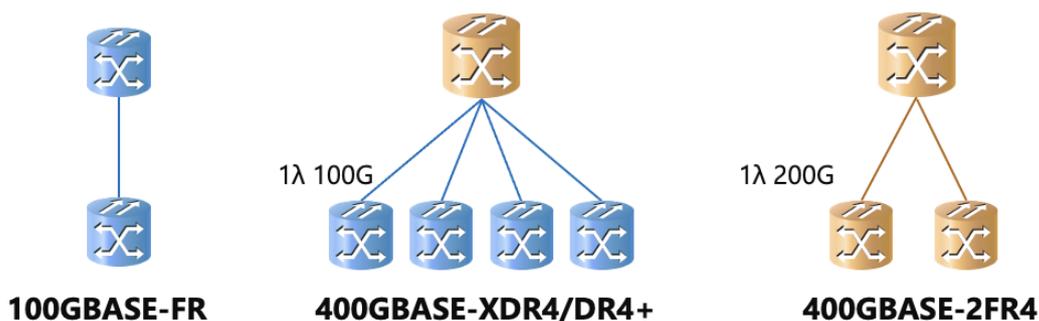


4x100G and 2x200G Breakout Link Tests

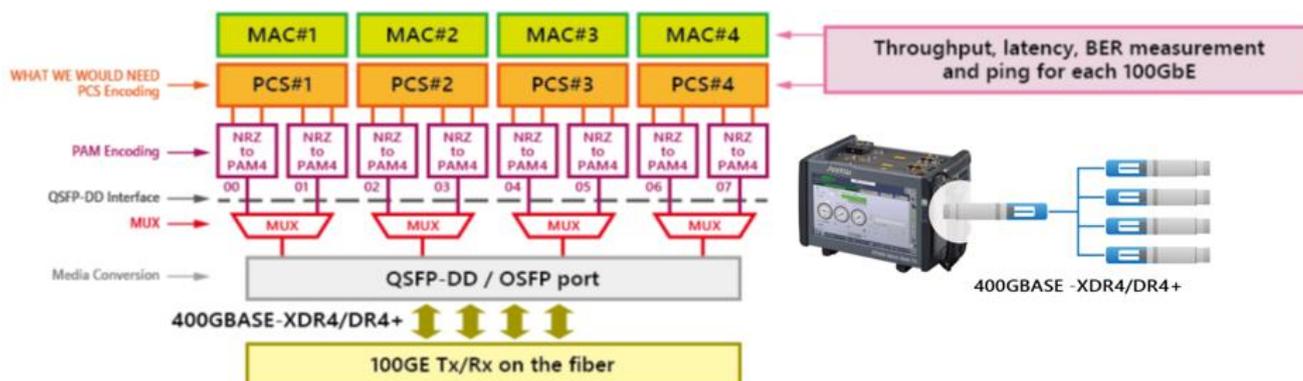
Network Master Pro MT1040A
 400G (QSFP-DD) Multirate Module MU104014A
 400G (OSFP) Multirate Module MU104015A

Rapidly rising traffic levels coupled with limited space and power capacity are driving data-center operators and service providers to seek new transceiver solutions, such as breakout transceivers that reduce the device-panel form factor by 25%. The key 400GBASE-XDR4/DR4+ with single-lambda 100G and 400GBASE-2FR4 technologies also cut power consumption.



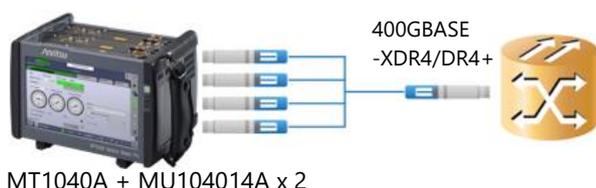
Supporting Breakout Transceiver

The MAC and PCS layers in breakout transceivers are split to multiple entities each functioning as an independent 100G or 200G link. Therefore, traditional Ethernet test instruments cannot test each independent breakout link. The MT1040A solves this issue by splitting the 400G port into multiple breakout links to support independent Ethernet tests.



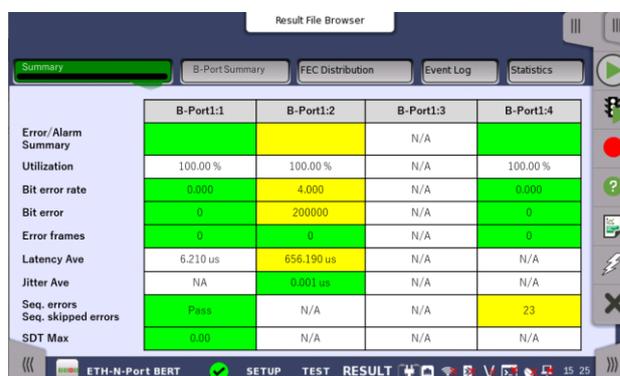
Traffic Generation and Link/Circuit Performance Test

The MT1040A tests two 400GBASE interfaces simultaneously using two installed 400G modules.



MAC Independent setup screen

- VLAN, Q-in-Q, MPLS, IPv4, IPv6, UDP, TCP
- Static/dynamic frame size



MAC Independent result screen

- Service Disruption Time, Throughput, Latency, Jitter.
- IPv4 ping to measure Round Trip Time

Test Interfaces on MU104014A and MU104015A



Ordering Information

Model	Name	Note
MT1040A	Network Master Pro	
MT1040A-020	Activate for 400G Dual/100G Quad	Necessary for dual MU104014A/15A configuration
MU104014A	400G(QSFP-DD) Multirate Module	
MU104014A-016	Ethernet 100G Dual Channel	For 100GBASE-SR4/LR4/ER4/DR/FR1
MU104014A-031	Ethernet 200G Single Channel	For 200GBASE-DR4/FR4/LR4
MU104014A-033	Ethernet 400G Single Channel	For 400GBASE-DR4/FR4/LR4
MU104014A-034	Ethernet 4x100G N Port BERT	For 400GBASE-XDR4/DR4+
MU104015A	400G(OSFP) Multirate Module	
MU104015A-015	Ethernet 100G Single Channel	For 100GBASE-SR4/LR4/ER4/DR/FR1
MU104015A-033	Ethernet 400G Single Channel	For 400GBASE-DR4/FR4/LR4
MU104015A-035	Ethernet 2x200G N Port BERT	For 400GBASE-2FR4