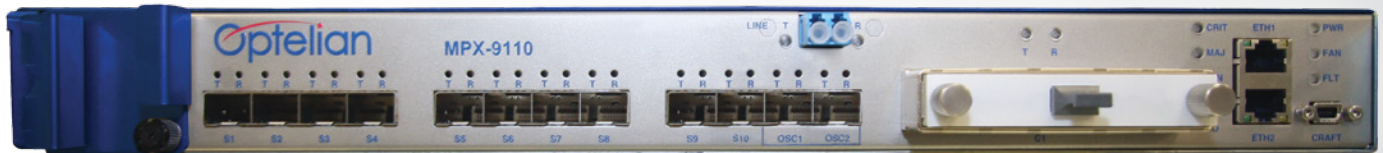




MPX-9110

Flexible 100G Platform

Optelian's MPX-9110 platform provides comprehensive capabilities to dramatically boost network capacity while reducing cost per bit. Configurable as either a muxponder or transponder, the MPX-9110 can aggregate and transport any mix of 10 Gb/s, 40 Gb/s, and 100 Gb/s services over a 100 Gb/s OTN DWDM wavelength.



Network flexibility

- 10/40 Gb/s muxponder and 100 Gb/s transponder in one

Service aggregation options

- 10x10 Gb/s
- 1x40 Gb/s + 6x10 Gb/s
- 2x40 Gb/s + 2x10 Gb/s

Client support

- 10GbE, 40GbE, 100GbE, OC-192/STM-64, 8/10G FC, OTU2/3/4

Performance monitoring

- Protocol-based performance monitoring for client and line interfaces

Best optical reach

- DP-QPSK DWDM line interface with coherent optical receiver plus FEC

Standalone design

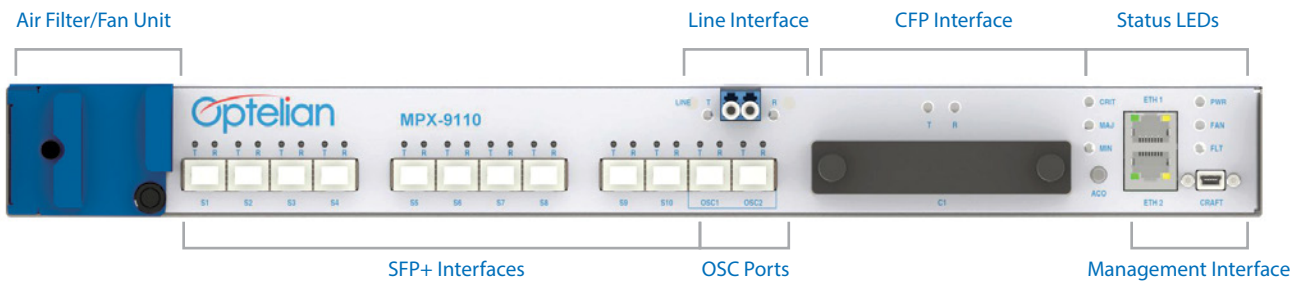
- Service delivery, management, GCC, and OSC in a compact 1RU form factor

As the industry's most compact and efficient 100 Gb/s solution, the MPX-9110 provides comprehensive service delivery capabilities in a standalone 1RU platform—far smaller than solutions that involve service cards installed in a shelf that requires many RUs of rack space.

Get more out of your network

Purpose-built to address DWDM network capacity enhancement and 10G/40G/100G service delivery applications, the MPX-9110 provides immense network potential. It defers the need for costly overbuilds to increase capacity and delivers an enhanced network ROI compared to 10 Gb/s wavelength network approaches. The advanced capabilities of the MPX-9110 pave the way for new service offerings, creating new revenue opportunities.

MPX-9110



Full integration with 10 Gb/s networks

Supporting commonly deployed 10, 40, and 100 Gb/s protocols, the MPX-9110 can be fully integrated into existing 10 Gb/s networks, lengthening their service delivery life with new service capabilities and capacity. Hybrid 10 Gb/s and 40 Gb/s aggregation capabilities eliminate stranded capacity by efficiently filling the available 100 Gb/s bandwidth.

The MPX-9110 uses DP-QPSK modulation with coherent detection and is fully compatible with existing 100- or 50-GHz spaced 10-Gb/s ROADMs or fixed OADM networks.

Specifications

Interfaces	10 SFP+ 1 CFP 1 Integrated line	Data range of 8.5 Gb/s to 11.3 Gb/s Data rate range of 40 Gb/s to 112 Gb/s Tunable line (50/100 GHz)
Client Protocols – SFP+	Ethernet SONET/SDH Storage G.709 OTN	10 GbE WAN/LAN PHY OC-192/STM-64 8G/10G Fibre Channel OTU2, OTU2e
Client Protocols – CFP	Ethernet G.709 OTN	40 GbE (single/dual client support), 100GbE OTU3 (single/dual client support), OTU4
Line Protocol	G.709 OTN FEC	OTU4 Soft Decision FEC + HGFECC
OSNR Sensitivity	dB	12
Dimensions (RU)	Height in rack units	1
Dimensions (H x W x D)	cm (in.)	4.4 x 44 x 46.5 cm (1.72 x 17.33 x 18.32 in)
Power (Supply)	-48 VDC	Redundant A and B feeds
Operating temperature	°C (°F)	-5 to +55°C / +23 to +131°F
Part number	1017-5000	MPX-9110 Flexible 100G Platform

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