Platforms
Flexible Modular Optical Networking

Optelian offers a variety of platforms to enable deployment of flexible, cost-effective networking solutions. These shelves support the Optelian portfolio of service cards with fan- or convection-cooled configurations for installation in managed or unmanaged applications.

Comprehensive service options

The shelves support the entire range of services, giving operators the freedom to configure any type of network. The common elements support configurations ranging from OADMs to muxponders with ROADMs.

Cost-effective pay-as-you-grow

With four shelf sizes and universal slots, an initial network can be configured with low first-in cost. Future in-service network expansion is as simple as adding and configuring new cards.

Ease of setup and operations

The shelves are designed to make configuration easy, with minimal setup and engineering rules. Management options range from local CLI access to centralized network management.

OMS-7190

OMS-7190 is the highest capacity platform, ideally suited for aggregation, complex node sites and core interconnection. It provides the greatest versatility, allowing customization for all packet- and wavelength-based services, and is well suited for expansion and growth.

OMS-2190

OMS-2190 provides versatility and feature-richness in a compact 2 RU chassis. It supports the same operations and intelligence found in the OMS-7190, and is rated for operation in environments with extended temperature requirements.
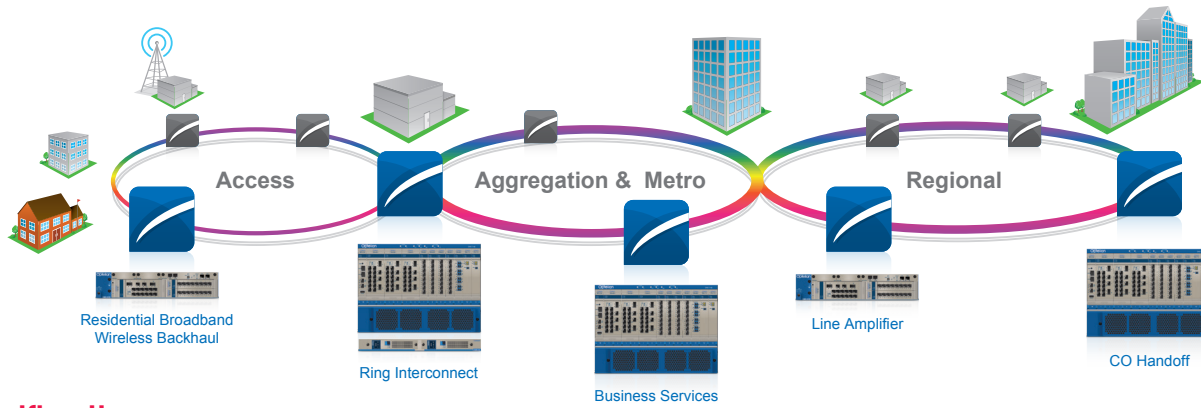
OMS-519

OMS-519 supports the same number of service cards as the OMS-7190, but in a more compact 5 RU shelf that is convection cooled. Certain card restrictions apply due to thermal budgets.

OMS-119

OMS-119 is a 1 RU unpowered convection-cooled shelf that supports up to two passive optical OMS-style cards, such as muxes, OADMs and DCMs.

Platforms

Residential Broadband
Wireless Backhaul

Ring Interconnect

Business Services

Line Amplifier

CO Handoff

Specifications

	OMS-7190	OMS-2190	OMS-519	OMS-119
Universal slots	13	4	13	2 (passive only)
Management Card	MGT-2150	MGT-2190	MGT-2150	N/A
Cooling	Fans	Fans	Convection	Convection
Rack Units	7	2	5	1
Dimensions (H x W x D)	31.0 x 43.7 x 30.7 cm (12.2 x 17.2 x 12.1 in.)	8.9 x 43.7 x 34.5 cm (3.5 x 17.2. x 13.6 in.)	22.1 x 45.7 x 30.5 cm (8.7 x 18 x 12 in.)	4.3 x 43.7 x 27.7 cm (1.7 X 17.1 x 10.9 in.)
Weight (no service cards)	10.9 kg (24 lb)	6.8 kg (15 lb)	3.4 kg (7.5 lb)	3.2 kg (7.1 lb)
Power (redundant feeds)	-48 VDC	-48 or +24 VDC	-48 VDC	N/A
Operating temperature (base shelf package)	-5 to 55°C (23 to 131°F)	-40 to 65°C (-40 to 149°F)	-40 to 65°C (-40 to 149°F)	N/A

Part No.	Description
1018-7001	OMS-7190 Shelf bundle, Includes shelf, Fan-7190 tray, Fan filter pack, Filler cards
1018-7002	OMS-7190 Shelf bundle, Includes shelf, Fan-7190 tray, Fan filter pack, ETH-7190 card, Filler cards
1018-7004	OMS-7190 Shelf bundle, Includes shelf, Fan-7190 tray, Fan filter pack, ETH-7190 card, MGT-2150 card, Filler cards, Cover
1018-7005	OMS-7190 Shelf bundle, Includes shelf, Fan-7190 tray, Fan filter pack, ETH-7190 card, MGT-2150 card, Filler cards
1015-6800	OMS-2190 Shelf bundle, Includes shelf, 2*-48 VDC PS, Fan-2190, MGT-2190, Filter pack
1024-1800	OMS-2190 Shelf bundle, Includes shelf, 2*-48 VDC PS, Fan-2190, MGT-2190, Filter pack, Cover
1015-6810	OMS-2190 Shelf bundle, Includes shelf, 2*+24 VDC PS, Fan-2190, MGT-2190, Filter pack
1000-3900	OMS-519 Shelf
1001-3500	OMS-119 Passive Mounting Solution

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