

Optical Communication Platform

Cost effective, Space Efficient, User friendly



Description

The new Amonics Optical Communication Platform (AOCP-100) is designed to house up to 8 optical plug-in modules including tunable laser, optical fiber amplifier, optical power meter, variable optical attenuator, DFB laser, SLD, optical switch and many more. All modules are supported by Amonics.

Users can control and monitor each module individually through the front panel LCD display and remote control via USB. Computer interface via TCP/IP ethernet will be possible.

The Optical Communication Platform is available in standard 3U mainframe casing, 485(W) x 345(D) x 132(H) mm.

Key Features

- Turnkey device
- USB computer interface
- Support up to 8 plug-in modules
- User friendly
- Compact and durable

Plug-in Module Specifications: Tunable Laser

	ATL-C-16-AOCP	ATL-L-16-AOCP
Laser Output Power	Max. +18dBm Min. +16dBm	Max. +18dBm Min. +16dBm
Wavelength Tuning Range	1527.60 to 1565.50nm	1568.85 to 1608.76nm
Wavelength Tuning Resolution	0.01nm	
Wavelength Tuning Accuracy	±0.02nm	
Power Resolution	0.01dBm	
Power Accuracy	±0.5dBm	
SMSR	Typ. 50dB, Min. 40dB	
OSNR	Typ. 60dB, Min. 40dB	
Laser FWHM Linewidth	Typ. 100kHz, Max. 200kHz	

Plug-in Module Specifications: Optical Fiber Amplifier

	AEDFA-BO-13-AOCP	AEDFA-IL-18-AOCP	AEDFA-PA-35-AOCP
Saturated Output Power	Min. +13dBm	Min. +18dBm	-
Input Signal Level	-6 to +3dBm	-25 to -3dBm	-40 to -10dBm
Noise Figure	Max. 5.0dB @ -30dBm input	Max. 5.5dB @ -20dBm input	Max. 4.5dB @ -20dBm input
Optical Gain	Min. 25dB @ -30dBm input	Min. 35dB @ -30dBm input	Min. 35dB @ -40dBm input
Operation Wavelength	1530 to 1563nm		
Input / Output Isolation	Min. 30dB		
Polarization Dependent Gain	Typ. 0.3dB, Max. 0.5dB		
Polarization Mode Dispersion	Max. 0.3ps		

* Other output power models are available upon request



Ordering Information

Product Code	AOCP-100-R	Please contact us on the specifications and product codes of plug-in modules
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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