

# Customized (LSU) Light Source Unit

Plug-in Card Type for FMT Multi-Service Transport System  
Cable Monitoring System for WDM Networks



## Description

As a stable light-emitting equipment, LSU can provide optical signal source for power monitoring of the link in optical fiber monitoring systems. It cooperates with monitoring equipment at the opposite end to achieve real-time monitoring of the optical power.

LSU adopts the DFB laser internally, which is characterized by good light stability, high luminous power, long working life, etc.

## Features

- Good light stability, high luminous power and long working life
- Single card supports up to 16 light sources, support channel lighting control
- Remote management by the Network Management Unit

## Application

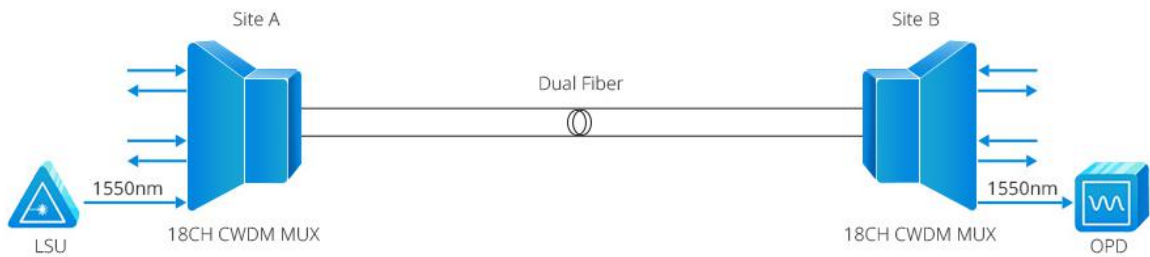
- Cable monitoring and maintaining system
- Optical fiber, cable, optical passive device loss measurement

Product Specifications

Operating Wavelength	1550	Channel Optional	4/8/16 channels
Luminous Power	≥-6dBm	Connector	LC/UPC
Power Stability	± 0.05dB	Power Consumption	<3W
MTBF	≥10 Years	Work Mode	CW
Chassis Type	1U, 2U, 4U	Management	Monitor Cable

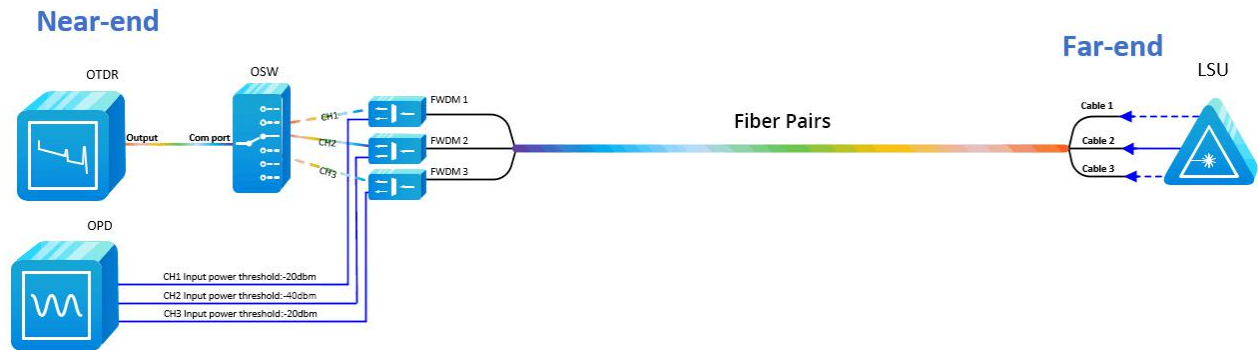
Embedded LSU Modules in DWDM Networks

As an auxiliary equipment in cable monitoring system, LSU can provide detecting light for OPD to realize real-time monitor in DWDM networks, then OPD will collect the detected optical power to judge whether the optical cable is running well.



Monitor Online System for Optical Cable

FS cable monitoring system is a centralized server solution that manages the status of cable and fiber network, as well as any fiber faults or performance degradation in your network. It consists of OPD, OTDR, OSW and LSU cards, and these cards are highly integrated via FS management platforms.

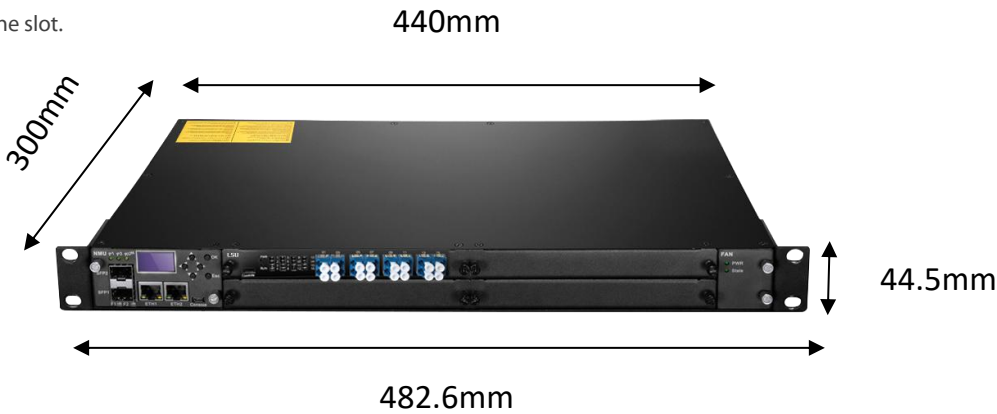


Dimensions

4-slot 1U managed chassis, supports up to 4x Multiplexer/EDFA/OEO/OLP card with accessories;

- Width: 482.6mm(19")
- Height: 44.50mm(1.75")
- Depth: 300mm(11.81")

LSU plug-in card occupies one slot.



Ordering Information

Mux Demux & OADM		
DWDM MUX DEMUX	<a href="#">FMU-D402160M3</a>	40 Channels 100GHz C21-C60, with 1310nm and Monitor Port, 3.5dB Typical IL, LC/UPC, Dual Fiber DWDM Mux Demux, 1U Rack Mount #35887
	<a href="#">M6200-D2160M</a>	40 Channels 100GHz C21-C60 Dual Fiber DWDM Mux and Demux with Monitor Port, Pluggable Module, LC/UPC, Integrated with M6200 Series Managed Chassis #120424
	<a href="#">FMU-D162136EM3</a>	16 Channels 100GHz C21-C36, with Monitor, Expansion and 1310nm Port, LC/UPC, Dual Fiber DWDM Mux Demux, 1U Rack Mount #72430
CWDM MUX DEMUX	<a href="#">FMU-MD085360EM3</a>	CWDM/DWDM Hybrid Solution, 8 Channels 100GHz C53-C60, with Monitor, Expansion and 1310nm Port, LC/UPC, Dual Fiber DWDM Mux Demux, FMU Plug-in Module #72433
	<a href="#">FMU-C182761M</a>	18 Channels 1270-1610nm, with Monitor Port, LC/UPC, Dual Fiber CWDM Mux Demux, 1U Rack Mount #33489
	<a href="#">FMU-MC084761EM</a>	8 Channels 1470-1610nm, with Monitor and Expansion Port, LC/UPC, Dual Fiber, Low Insertion Loss CWDM Mux Demux, FMU Plug-in Module #78163
LWDM MUX DEMUX	<a href="#">ABS-L042930A</a>	4 Channels 1295.56-1309.14nm, Single Fiber LAN-WDM Mux Demux, Side-A, ABS Pigtailed Module, LC/UPC #97782
	<a href="#">ABS-C062737A</a>	6 Channels 1271-1371nm, Single Fiber CWDM Mux Demux, Side-A, ABS Pigtailed Module, LC/UPC #97784
OADM	<a href="#">DOADM-DF</a>	Customized Dual Fiber & Single Fiber DWDM OADM #70427
	<a href="#">COADM-DF</a>	Customized Dual Fiber & Single Fiber CWDM OADM #70425
Chassis	<a href="#">FMU-1UFMX-N</a>	FMU 2-Slot 1U 19" Rack Chassis Unloaded, holds up to 2 Units FMU Plug-in Module #30408
	<a href="#">FUD-1UFMX-N</a>	FUD 4-Slot 1U 19" Rack Chassis Unloaded, holds up to 4 Units FUD Plug-in Module #106578

TRANSPONDERS & MUXPONDERS

25G	<a href="#">FMT4DL-OEO25GSFP28</a>	4 Channels 25G WDM Transponder (Converter), 8 SFP28/SFP+ Slots#92056
10G	<a href="#">FMT4DL-OEO10GSFP</a>	4 Channels WDM Transponder (Converter), 8 SFP/SFP+ Slots#30515
Chassis	<a href="#">FMT04-CH1U</a>	1U Managed Chassis Unloaded Platform, Supports up to 4x EDFA/OEO/OLP Card with Accessories #39214
	<a href="#">FMT-CH</a>	Customized 1U/2U/4U Managed Chassis Unloaded, Supports up to 16x Multiplexer/EDFA/OEO/OLP Module with Accessories #70413

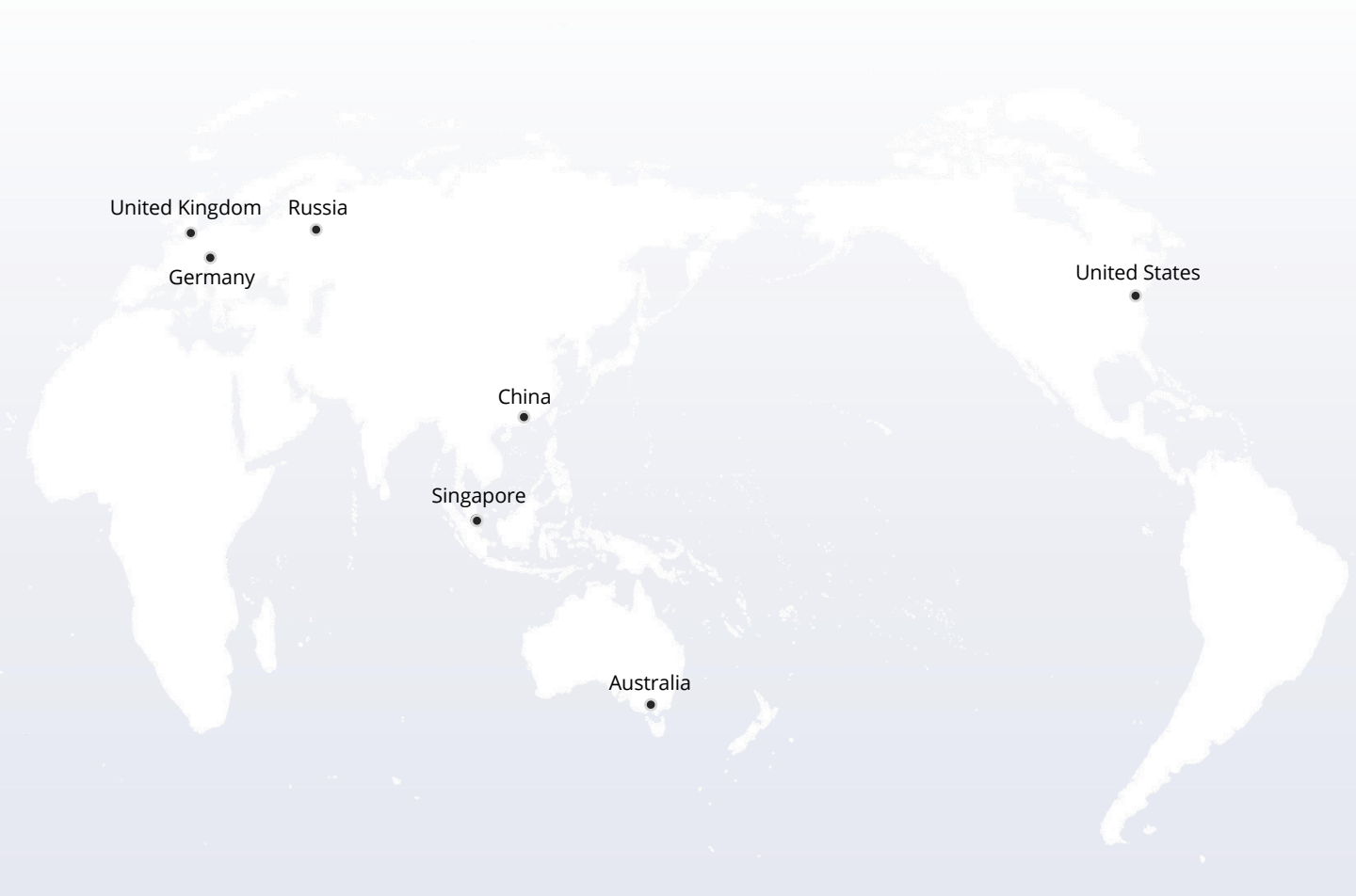
OPEN LINE SYSTEM

Amplifiers	<a href="#">FMT26PA-EDFA</a>	26dB Gain DWDM EDFA Pre-Amplifier, 16dBm Output#36524
	<a href="#">FMT20PA-EDFA</a>	20dB Gain DWDM EDFA Pre-Amplifier, 13dBm Output#72284
	<a href="#">FMT17BA-EDFA</a>	17dBm Output DWDM EDFA Booster Amplifier, 17dB Gain #72283
	<a href="#">FMT-LA</a>	In-Line EDFA for DWDM Solution#35924
Dispersion Compensation	<a href="#">FMT40-DCM</a>	40KM DCF-based Passive Dispersion Compensation Module#65781
	<a href="#">FMT80-DCM</a>	80KM DCF-based Passive Dispersion Compensation Module#65779
	<a href="#">FS-TDCM</a>	C-band Tunable Dispersion Compensation Module (TDCM)#72427
Line Protection	<a href="#">FMT-OLP2</a>	1+1 Optical Line Protection Switch (OLP)#66010
	<a href="#">FMT-BDOLP</a>	FMT-BDOLP, Optical Line Protection Switch (OLP)#72700
	<a href="#">FMT-BDSplitter</a>	FMT-BDSplitter, Optical Splitter#73324
Red/Blue Filter	<a href="#">FMT-RB</a>	1x2 Single Fiber DWDM Splitter Red/Blue C Band Filter#65981
	<a href="#">FMT-OPD</a>	4 Channels 1550nm Optical Power Detection OPD (AIU)#78568
	<a href="#">FMT-OPM</a>	Optical Performance Monitoring (OPM)#71586
Fiber Monitoring	<a href="#">FMT-OSW</a>	1x16 Multi-Channel Opto-Mechanical Optical Switches with Adjustable Channels Control#73287
	<a href="#">FMT-OTDR</a>	Optical Time Domain Reflectometer (OTDR)#73281
	<a href="#">FMT-LSU</a>	LSU Light Source Unit, Pluggable Module for FMT Multi-Service Transport Platform#78469
VOA Units	<a href="#">FS-VOA-C</a>	Variable Optical Attenuator, 0~15dB, Pluggable Module, LC/UPC#65271
	<a href="#">AT-M-LCU</a>	Fixed Fiber Optic Attenuators #70009

Chassis	<a href="#">FMT04-CH1U</a>	1U Managed Chassis Unloaded Platform, Supports up to 4x EDFA/OEO/OLP Card with Accessories #39214
	<a href="#">FMT-CH</a>	Customized 1U/2U/4U Managed Chassis Unloaded, Supports up to 16x Multiplexer/EDFA/OEO/OLP Module with Accessories #70413

WDM TRANSCEIVERS

25G SFP28	<a href="#">DWDM-SFP25G-10</a>	25G DWDM SFP28 100GHz 1563.86nm 10km DOM LC SMF Optical Transceiver Module #87000
	<a href="#">CWDM-SFP25G-40S</a>	25G 1270nm CWDM SFP28 40km DOM LC SMF Optical Transceiver Module #100112
	<a href="#">CWDM-SFP25G-10SP</a>	25G 1270nm CWDM SFP28 10km DOM LC SMF Optical Transceiver Module #76003
	<a href="#">LWDM-SFP25G-40</a>	25G LWDM SFP28 1286.66nm 40km DOM LC SMF Optical Transceiver Module #93786
16G/8G FC	<a href="#">DWDM-SFP16G-40</a>	Customized 16G DWDM SFP+ C20-C61 100GHz 40km DDM LC SMF Transceiver Module#73084
	<a href="#">DWDM-SFP16GH-40</a>	Customized 16G DWDM SFP+ 50GHz 40km DDM LC SMF Transceiver Module #73085
	<a href="#">CWDM-SFP16G-40</a>	Customized 16G Fiber Channel CWDM SFP+ 1470-1610nm 40km DDM LC SMF Transceiver Module #80765
	<a href="#">DWDM-SFP10G-80</a>	10G DWDM SFP+ 1559.79nm 80km DOM LC SMF Transceiver Module, Commercial Temperature#31237, Industrial Temperature#113562
10G SFP+	<a href="#">DWDM-SFP10G-40</a>	10G DWDM SFP+ 1560.61nm 40km DOM LC SMF Transceiver Module, Commercial Temperature#38731, Industrial Temperature#113511
	<a href="#">DWDM-SFP10G-C</a>	10G DWDM C-band Tunable SFP+ 50GHz 80km DOM LC SMF Transceiver Module #69267
	<a href="#">CWDM-SFP10G-80L</a>	10G CWDM SFP+ 1470nm 80km DOM LC SMF Transceiver Module #19367
	<a href="#">CWDM-SFP10G-40S</a>	10G CWDM SFP+ 1270nm 40km DOM LC SMF Transceiver Module, Commercial Temperature#22168, Industrial Temperature#112392
1G SFP	<a href="#">DWDM-SFP1G-EZX</a>	1000BASE-DWDM SFP 100GHz 1563.86nm 100km DOM LC SMF Transceiver Module #54150
	<a href="#">DWDM-SFP1G-ZX</a>	1000BASE-DWDM SFP 1563.86nm 80km DOM LC SMF Transceiver Module #47697
	<a href="#">CWDM-SFP1G-EZX</a>	1000BASE-CWDM SFP 1270nm 120km DOM LC SMF Transceiver Module #102776
	<a href="#">CWDM-SFP1G-ZX</a>	1000BASE-CWDM SFP 1270nm 80km DOM LC SMF Transceiver Module #33234



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