3C-ONTS8600IIA

2U CHASSIS 8 SLOTS SEMI-ACTIVE PRODUCTS

20240625-2363

3C-LINK OPTO CO,.LIMITED

Active Chassis: 3C-ONTS8600IIA

2U Plug-in 19" WDM active rack with 8 slots

This 3C-ONTS8600IIA active 2U WDM chassis is specially designed for 5G front-haul semi-active system and located in the DU site, contains 8 slots in the middle, 2 power supply slots in the left and 1 fan slot in the right with right inlet and left outlet airflow. All slots are hot-swappable to maximize on-demand capacity expansion and save investment costs.

Specifications:

External dimensions: 88mm (height)*444mm (width)*260mm (depth)

Standard operating power voltage: DC: -36 V to -72V/ AC: 90V to 260V

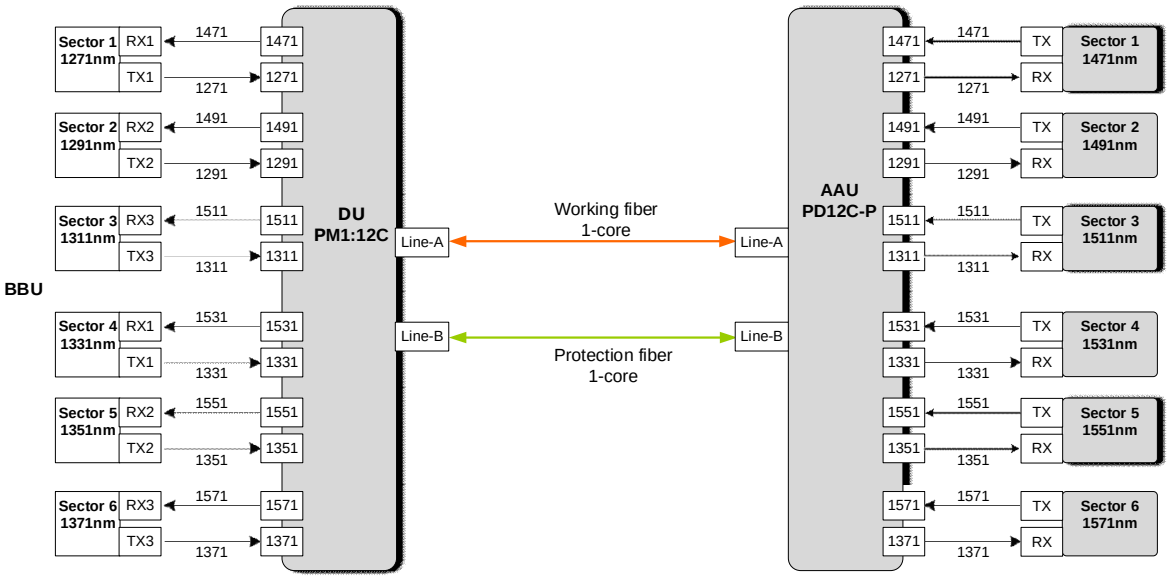
Weight (fully fitted): 10kg

Typical power consumption: <50W

Operating temperature: -10℃~+60℃

Operating humidity: 5%~95%

Network Deployment Connection Diagram:



Main Control Card: 3C-ONC-NMU

Specifications:

Number of occupied slots: 1

Network management method: Support SNMP, Web and other network management methods

Switching function: Support inter-device IP communication function to achieve integrated management of multiple devices

Protection function: Hot-swapping or failure of network element management boards will not affect existing services

Maintenance function: Support local or remote software online upgrade

Typical power consumption: <5W

MTBF: >100,000 hours

Interface Description:

Port identification	Description
ETH1, ETH2	2 Ethernet managed RJ45 electrical interfaces supporting 10/100/1000M adaptive rates
TX1/RX1, TX2/RX2	2 Ethernet-managed SFP optical interfaces, supporting 1.25G SFP optical modules
Console	Micro-USB local management serial port
RST	Network management single board reboot button

Indicator Light Description:

Indicator Light	Description	Green Light	Red Light
RX1	SFP1 Optical interface operating status indicator	SFP1 Optical port connected properly	SFP1 Optical port connected anomaly
RX2	SFP2 Optical interface operating status indicator	SFP2 Optical port connected properly	SFP2 Optical port connected anomaly
PWR	Single-board power indicator	Single board power supply normal	Single board power supply abnormal

Active MuxDemux Unit: 3C-D1201

Optical Performance Indicators:

Parameter	Unit	Indicator
Number of channels		12
Central wavelength	nm	1271, 1291, 1311, 1331, 1351, 1371 1471, 1491, 1511, 1531, 1551, 1571

Parameter	Unit	Indicator
Centre wavelength deviation (max)	nm	±1.5
-1dB Passband width	nm	>13
Passband flatness	dB	<0.5
Channel insertion loss	dB	<2.5
Channel insertion loss uniformity	dB	<1.0
Adjacent channel isolation	dB	>25
Non-adjacent channel isolation	dB	>35
Wavelength thermal stability	nm/℃	<0.002
Thermal stability of insertion loss	dB/℃	<0.007
Polarization dependent loss	dB	<0.2
Return loss	dB	≥45
Operating temperature	℃	-40～+85
Storage temperature	℃	-40～+85
Operating humidity		5%～95% RH, no condensation
Occupied slots		1 service slot
Power consumption	W	<3

Panel Interface:

Port ID	Interface Type	Transmission Medium	Description	Docking port
1291	LC/UPC	Single-mode fiber	Customer-side optical port, 1291nm channel optical output port	1271nm Colored module receiver
1271	LC/UPC	Single-mode fiber	Customer-side optical port, 1271nm channel optical output port	1271nm Colored module transmitter
1331	LC/UPC	Single-mode fiber	Customer-side optical port, 1331nm channel optical output port	1311nm Colored module receiver
1311	LC/UPC	Single-mode fiber	Customer-side optical port, 1311nm channel optical output port	1311nm Colored module transmitter
1371	LC/UPC	Single-mode fiber	Customer-side optical port, 1371nm channel optical output port	1351nm Colored module receiver
1351	LC/UPC	Single-mode fiber	Customer-side optical port, 1351nm channel optical output port	1351nm Colored module transmitter
1491	LC/UPC	Single-mode fiber	Customer-side optical port, 1491nm channel optical output port	1471nm Colored module receiver
1471	LC/UPC	Single-mode fiber	Customer-side optical port, 1471nm channel optical output port	1471nm Colored module transmitter

1531	LC/UPC	Single-mode fiber	Customer-side optical port, 1531nm channel optical output port	1511nm Colored module receiver
1511	LC/UPC	Single-mode fiber	Customer-side optical port, 1511nm channel optical output port	1511nm Colored module transmitter
1571	LC/UPC	Single-mode fiber	Customer-side optical port, 1571nm channel optical output port	1551nm Colored module receiver
1551	LC/UPC	Single-mode fiber	Customer-side optical port, 1551nm channel optical output port	1551nm Colored module transmitter
Line-A	LC/UPC	Single-mode fiber	Main link port	For connection to the main routing transport fiber
Line-B	LC/UPC	Single-mode fiber	Back-up link port	For connection to the back-up routing transport fiber

Indicator Light Description:

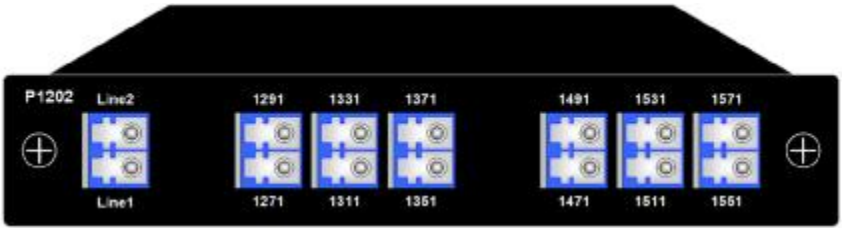
Indicator Light	Description	Green Light	Red Light
1	1291 Port optical power indicator	1291 Port output optical power is higher than the set alarm threshold	1291 Port output optical power is less than the set alarm threshold
2	1271 Port optical power indicator	1271 Port input optical power is higher than the set alarm threshold	1271 Port input optical power is less than the set alarm threshold
3	1331 Port optical power indicator	1331 Port output optical power is higher than the set alarm threshold	1331 Port output optical power is less than the set alarm threshold
4	1311 Port optical power indicator	1311 Port input optical power is higher than the set alarm threshold	1311 Port input optical power is less than the set alarm threshold
5	1371 Port optical power indicator	1371 Port output optical power is higher than the set alarm threshold	1371 Port output optical power is less than the set alarm threshold
6	1351 Port optical power indicator	1351 Port input optical power is higher than the set alarm threshold	1351 Port input optical power is less than the set alarm threshold
7	1491 Port optical power indicator	1491 Port output optical power is higher than the set alarm threshold	1491 Port output optical power is less than the set alarm threshold
8	1471 Port optical power indicator	1471 Port input optical power is higher than the set alarm threshold	1471 Port input optical power is less than the set alarm threshold
9	1531 Port optical power indicator	1531 Port output optical power is higher than the set alarm threshold	1531 Port output optical power is less than the set alarm threshold
10	1511 Port optical power indicator	1511 Port input optical power is higher than the set alarm threshold	1511 Port input optical power is less than the set alarm threshold
11	1571 Port optical power indicator	1571 Port output optical power is higher than the set alarm threshold	1571 Port output optical power is less than the set alarm threshold

Indicator Light	Description	Green Light	Red Light
12	1551 Port optical power indicator	1551 Port input optical power is higher than the set alarm threshold	1551 Port input optical power is less than the set alarm threshold
Line-A	Main route optical power indicator	Main route input optical power is higher than the set alarm threshold	Main route input optical power is less than the set alarm threshold
Line-B	Back-up route optical power indicator	Back-up route input optical power is higher than the set alarm threshold	Back-up route input optical power is less than the set alarm threshold
Pri	Route selection indicator	Currently selected to work on primary route (Line-A)	Currently selected to work on alternate route (Line-B)
STAT	Single board operating status indicator	Single board operating normal	Single board operating fault

Outdoor Box: 3C-OB1000

3C-OB1000 Outdoor waterproof and dustproof box is a special case for outdoor wall-mounting or pole-mounting of remote passive oscilloscopes, supporting 1 or 2 passive MuxDemux unit inside, meets the requirements of IP67 standard, light structure and easy installation with dimensions: 365 mm (L) x 290 mm (W) x 100 mm (H).

Passive MuxDemux Unit: (3C-P1202)



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Line-A	LC/UPC	Single-mode fiber	Main link port	For connection to the main route transport fiber
Line-B	LC/UPC	Single-mode fiber	Back-up link port	For connection to the back-up route transport fiber