



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.

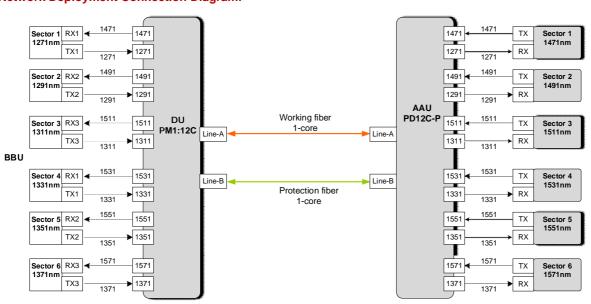
Specifications:

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

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	SFP1 Optical port connected	SFP1 Optical port connected
KAI	status indicator	properly	anomaly
DVO	SFP2 Optical interface operating	SFP2 Optical port connected	SFP2 Optical port connected
RX2	status indicator	properly	anomaly
PWR	Single heard newer indicator	Single board power supply	Single board power supply
FVVK	Single-board power indicator	normal	abnormal

Active MuxDemux Unit: 3C-D1201



Optical Performance Indicators:

Parameter	Unit	Indicator	
Number of channels		12	
Central wavelength		1271, 1291, 1311, 1331, 1351, 1371	
	nm	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	°C	-40~+85
Storage temperature	°C	-40~+85
Operating humidity		5%~95% RH, no condensation
Occupied slots		1 service slot
Power consumption	W	<3

Panel Interface:

Port	Interface	Transmission	Description	Docking port
ID	Туре	Medium		Docking port
1291	LC/UPC	Single-mode fiber	Customer-side optical port, 1291nm	1271nm Colored module receiver
1291	LO/OPC	Single-mode liber	channel optical output port	127 mm Colorea module receiver
1271	LC/UPC	Cinala mada fibar	Customer-side optical port, 1271nm	4.074 pm. Colored module transmitter
12/1	LC/UPC	Single-mode fiber	channel optical output port	1271nm Colored module transmitter
1331	LC/UPC	Cinala mada fibar	Customer-side optical port, 1331nm	1311nm Colored module receiver
1331	LC/OPC	Single-mode fiber	channel optical output port	13111111 Colorea module receiver
1311	LC/UPC	Single mode fiber	Customer-side optical port, 1311nm	1311nm Colored module transmitter
1311	LO/OPC	Single-mode fiber	channel optical output port	131111111 Colored module transmitter
1371	LC/UPC	Single mode fiber	Customer-side optical port, 1371nm	1351nm Colored module receiver
1371	LO/OPC	Single-mode fiber	channel optical output port	135 mm Colored module receiver
1351	LC/UDC	Cinala mada fibar	Customer-side optical port, 1351nm	1351nm Colored module transmitter
1351	S51 LC/UPC Single-mode fiber		channel optical output port	135 mm Colored module transmitter
1491	10/450	Single-mode fiber	Customer-side optical port, 1491nm	1471nm Colored module receiver
1491	1491 LC/UPC Sing		channel optical output port	147 THITI Colorea Thousie receiver
1471	LC/UPC	Single mode fiber	Customer-side optical port, 1471nm	1471nm Colored module transmitter
14/1	LG/UPG	Single-mode fiber	channel optical output port	147 min Colorea module transmitter



1531	LC/UPC	Single-mode fiber	Customer-side optical port, 1531nm	1511nm Colored module receiver
1001	20/01 0	Girigio modo noor	channel optical output port	10 THIN GOIGIGA MICAGIO 1000IVOI
1511	LC/UPC	Single-mode fiber	Customer-side optical port, 1511nm	1511nm Colored module transmitter
1311	LO/OPC	Single-mode liber	channel optical output port	131111111 Colored Hoddie transmitter
1571	LC/UDC	Cinala mada fibar	Customer-side optical port, 1571nm	1551nm Colored module receiver
1571 LC/UPC	Single-mode fiber	channel optical output port	155 mm Colored module receiver	
4554			Customer-side optical port, 1551nm	4554 Oalanad maddala tananasitta
1551	LC/UPC	Single-mode fiber	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
				For connection to the back-up
Line-B	LC/UPC	Single-mode fiber	Back-up link port	routing transport fiber

Indicator Light Description:

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

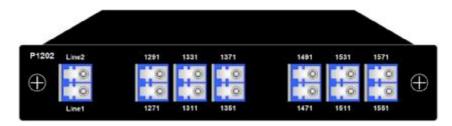




Outdoor Box: 3C-OB1000

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)



Optical Performance Indicators:

Parameter	Unit	Indicator
Number of channels		12
Central wavelength	200	1271, 1291, 1311, 1331, 1351, 1371
	nm	1471, 1491, 1511, 1531, 1551, 1571
Centre wavelength deviation (max)	nm	±1.5
-1dB Passband width	nm	>13
Passband flatness	dB	<0.5
Channel insertion loss	dB	<5.0
Channel insertion loss uniformity	dB	<1.0
Adjacent channel isolation	dB	>25
Non-adjacent channel isolation	dB	>30
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	$^{\circ}\mathbb{C}$	-40~+85
Storage temperature	$^{\circ}\mathbb{C}$	-40~+85
Operating humidity		5%~95% RH, no condensation



Panel Interface:

Port ID	Interface Type	Transmission Medium	Description	Docking port
1001	1.0/1100	Oissals assals tils sa	Customer-side optical port, 1291nm	4004 Oalanad maadula (asaanii)
1291	LC/UPC	Single-mode fiber	channel optical output port	1291nm Colored module transmitter
1271	I C/LIDC	Single made fiber	Customer-side optical port, 1271nm	1201nm Colored module receiver
1271	LC/UPC	Single-mode fiber	channel optical output port	1291nm Colored module receiver
1331	LC/UPC	Single-mode fiber	Customer-side optical port, 1331nm	1331nm Colored module transmitter
1331	20/01 0	Siligie-filode libei	channel optical output port	133 mm Colored module transmitter
1311	LC/UPC	Single-mode fiber	Customer-side optical port, 1311nm	1331nm Colored module receiver
1011	20/01 0	Onigie mode noci	channel optical output port	Too Tilli Oolorea modale receiver
1371	LC/UPC	Single-mode fiber	Customer-side optical port, 1371nm	1371nm Colored module transmitter
.07.1	20/01 0	- Chilgie mede meel	channel optical output port	
1351	LC/UPC	Single-mode fiber	Customer-side optical port, 1351nm	1371nm Colored module receiver
	20,0.0		channel optical output port	
1491	LC/UPC	LC/UPC Single-mode fiber	Customer-side optical port, 1491nm	1491nm Colored module transmitter
			channel optical output port	
1471	LC/UPC	Single-mode fiber	Customer-side optical port, 1471nm	1491nm Colored module receiver
		<u> </u>	channel optical output port	
1531	LC/UPC	Single-mode fiber	Customer-side optical port, 1551nm	1531nm Colored module transmitter
			channel optical output port	
1511	LC/UPC	Single-mode fiber	Customer-side optical port, 1351nm	1531nm Colored module receiver
			channel optical output port	
1571	LC/UPC	Single-mode fiber	Customer-side optical port, 1571nm	1571nm Colored module transmitter
			channel optical output port	
1551	LC/UPC	Single-mode fiber	Customer-side optical port, 1371nm	1571nm Colored module receiver
			channel optical output port	
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
rine-B rc/0PC		Single mode liber	Daon up min port	transport fiber













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