

Red&Blue Band Filter & Managed Chassis datasheet

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1. 1U/2U/4U Managed Chassis

1.1 Chassis appearance

1.1.1 1U Chassis



1U Front panel



1U Side panel



1U Back panel

Description:

- ① Main control card slot
- ② Service card slot, maximum support 4 service board cards, our service board cards all can be mixed interpolation and hot swap.
- ③ Fan slot, Support for fan hot swap and independent replacement.
- ④ Stretchable lug
- ⑤ Lug instillation position
- ⑥ Side vent
- ⑦ Power 1 slot, plug in AC/DC power supply, support hot swap
- ⑧ Power 2 slot, plug in AC/DC power supply, support hot swap
- ⑨ Grounding screw

1.1.2 2U Chassis

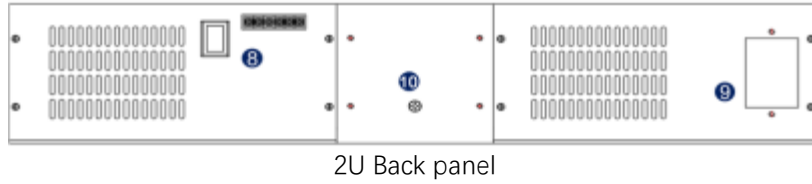


2U Front panel



2U Side panel

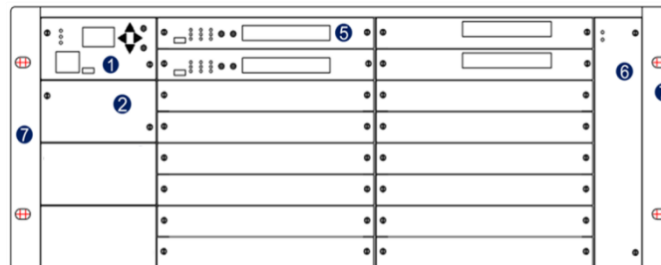
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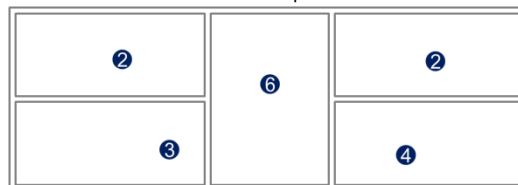
Description:

- ① Main control card slot
- ② Expansion slot, plug in 8 Ethernet switch cards or other cards
- ③ Service card slot, maximum support 8 service board cards, all our service board cards can be mixed interpolation and hot swap.
- ④ Fan slot, Support for fan hot swap and independent replacement
- ⑤ Stretchable lug
- ⑥ Lug instillation position
- ⑦ Side vent
- ⑧ Power 1 slot, plug in AC/DC power supply, support hot swap
- ⑨ Power 2 slot, plug in AC/DC power supply, support hot swap
- ⑩ Grounding screw

1.1.3 4U Chassis



4U Front panel



4U Back panel

Explain:

- ① Main control card slot
- ② Expansion slot, plug in 8 Ethernet switch cards or other cards
- ③ Power 1 slot, plug in AC/DC power supply, support hot swap
- ④ Power 2 slot, plug in AC/DC power supply, support hot swap

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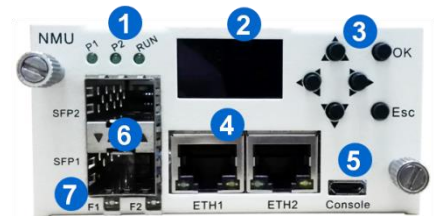
- ⑤ Service card slot, maximum support 16 service board cards, all our service board cards can be mixed interpolation and hot swap
- ⑥ Fan slot, Support for fan hot swap and independent replacement
- ⑦ Stretchable lug

1.2 Chassis Component

1.2.1 NMU

Main control card panel

- ① Equipment status indicator: P1(Power1), P2(Power2), RUN
- ② HD dual color LCD display screen
- ③ Operation keys
- ④ Ethernet communication interface
- ⑤ Micro USB equipment upgrade interface
- ⑥ Optical transceiver slot (Support 100/1000Mbps SFP)
- ⑦ Optical transceiver working status indicator



Equipment management

- Equipment status, card performance can be monitored
- Card parameters can be settled
- Support band network management
- Supports SNMP, Telnet, Client

1.2.2 Chassis components ordering information

TN10	1U Chassis, 482.6W×300D×44.5H mm (with lug)
TN20	2U Chassis, 482.6W×300D×86H mm (with lug)
TN40	4U Chassis, 482.6W×300D×176H mm (with lug)
PW-AC-50	1U 100~240V AC power supply
PW-AC-100	2U 100~240V AC power supply
PW-AC-200	4U 100~240V AC power supply
PW-DC-50	1U 36~72V DC power supply
PW-DC-100	2/4U 36~72V DC power supply
NMU-ES	Communication managed card, with LCD、10/100M Ethernet port、SFP port
FAN-1	1U FAN
FAN-2	2U FAN
FAN-4	4U FAN
BP-S	Short front panel
BP-1	1 slot front panel
BP-2	2 slots front panel
BP-P-1	1U power supply panel

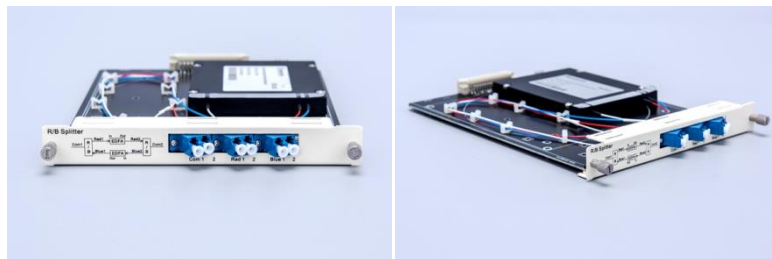
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BP-P-2	2U/4U power supply panel
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1.3 Machine frame correlation parameter

Parameters		Unit	Specifications
Environmental parameter	Working temperature	°C	-10~ 60°C
	Storage temperature	°C	-20°C~ 75°C
	Relative temperature	°C	5% ~ 95% No condensation
Size	1U	mm	482.6W×300D×44.5H (with lug)
	2U	mm	482.6W×300D×86H (with lug)
	4U	mm	482.6W×300D×176H (with lug)
Power Supply	AC	V	100~240, 50~60hz
	DC	V	36~72
Consumption	1U	W	< 50 (Max)
	2U	W	< 100 (Max)
	4U	W	< 200 (Max)

2. Red and Blue Band Filter card



Product Description

Red and blue band filter has the separation and polymerization function of red band signal (1548.31~1560.81nm) and blue band signal (1529.35~1541.55nm), which is generally used in single-fiber DWDM system.

Product Applications

- Single fiber DWDM network
- Others optical network

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Product Features

- Low insertion loss
- Excellent environmental reliability
- Max support up to 2 groups of red and blue band signal separation/ polymerization.

Performance Index

Parameters		Unit	Specifications
Blue-band		nm	1529.35~1541.55
Red-band		nm	1548.31~1560.81
IL	Red/Blue to Com	dB	≤1.0
Isolation	Pass Band	dB	≥26dB
	Reflect Band	dB	≥13dB
Directivity		dB	≥50
Band Ripple		dB	< 0.3
Return loss		dB	≥50
PDL		dB	≤0.1
PMD		dB	≤0.1
Wavelength thermal stability		nm/°C	≤0.003
Insertion loss thermal stability		dB/°C	≤0.005
Optical Power		mw	≤300

Note: default connector is LC/UPC

Ordering Information

RBS-XX-XX-XX

Item	-	Type	-	Channel	-	Fiber connector
RBS		TB: blue band		01: 1CH		LU: LC/UPC
		TR: red band		02: 2CH		LA: LC/APC