

DCM & Managed Chassis datasheet

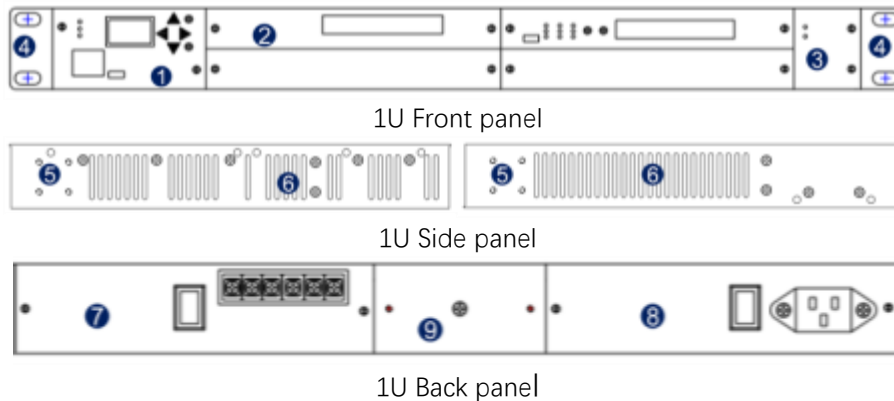
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1. 1U/2U/4U Managed Chassis

1.1 Chassis appearance

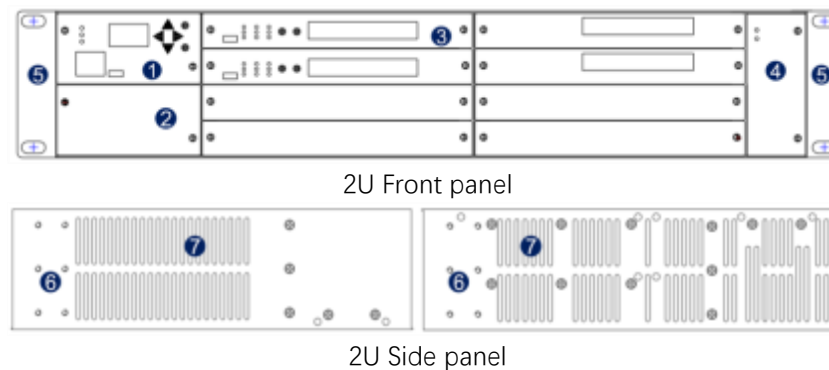
1.1.1 1U Chassis



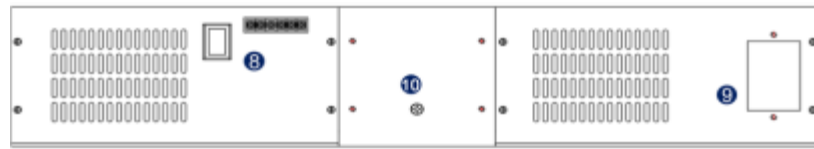
Description:

- 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



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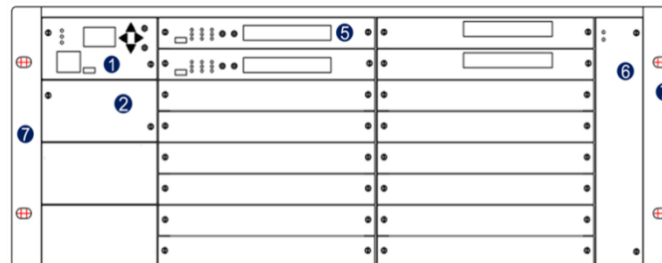


2U Back panel

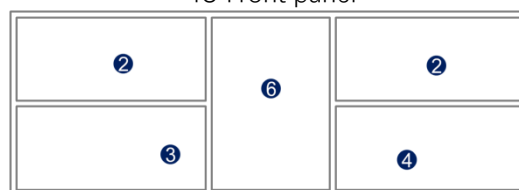
Description:

- 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
- ⑤ Service card slot, maximum support 16 service board cards, all our service board cards can be mixed interpolation and hot swap

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- 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
BP-P-2	2U/4U power supply panel

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. DCM card

Dispersion compensator module



Product Description

Fixed dispersion compensator module (DCM) is based on DCF technology, which can compensate the dispersion slope of standard G. 652 single-mode fiber in c-band, so as to optimize residual dispersion and improve the performance of optical transmission system. Based on mature and reliable optical fiber technology, it is widely used in long-distance optical transmission system and DWDM optical transmission system.

Product Applications

- DWDM network
- Long distance transmission

Product Features

- G.652 fiber C-band 100% slope compensation (standard value)
- Low insertion loss

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- Low polarization mode dispersion high reliability
- Single board card supports 10~100 km dispersion compensation
- The performance index and reliability are both approved by GR-2854-CORE.

Performance Index

P/N	Compensation Distance(km)	Dispersion (ps/nm)	Insertion Loss (dB)	PMD (ps)	PDL (dB)
DCM-C-010	10	-170±3%	≤2.5	≤0.5	≤0.1
DCM-C-020	20	-340±3%	≤2.8	≤0.6	≤0.1
DCM-C-030	30	-510±3%	≤3.6	≤0.7	≤0.1
DCM-C-040	40	-680±3%	≤4.2	≤0.8	≤0.1
DCM-C-050	50	-850±3%	≤4.5	≤0.9	≤0.1
DCM-C-060	60	-1020±3%	≤4.8	≤1.0	≤0.1
DCM-C-070	70	-1190±3%	≤5.3	≤1.1	≤0.1
DCM-C-080	80	-1360±3%	≤5.8	≤1.2	≤0.1
DCM-C-090	90	-1530±3%	≤6.2	≤1.3	≤0.1
DCM-C-100	100	-1700±3%	≤6.5	≤1.4	≤0.1

Note: default connector is LC/UPC

Ordering Information

DCM-X-XX-X-XX

Item	-	Type	-	Distance	-	Connector
DCM		Card		010: 10KM		LU: LC/UPC
				020: 20KM		LA: LC/APC
				040: 40KM		
				060: 60KM		
				080: 80KM		
				100: 100KM		