



Managed Media Converters

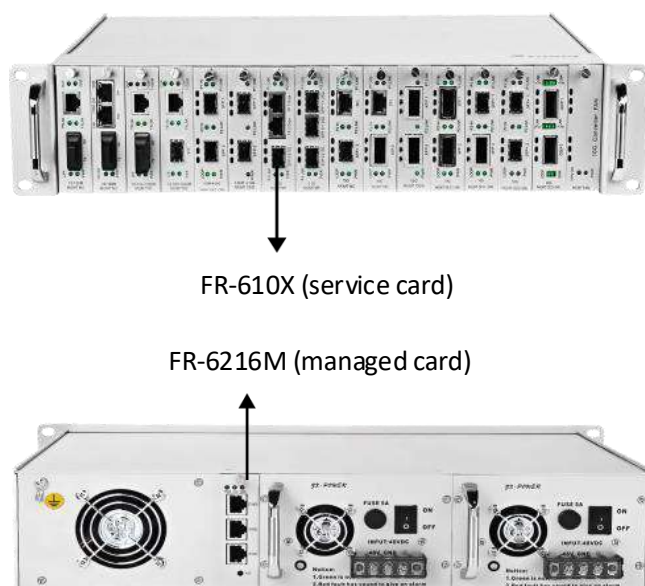
FR-6216-AA

2U 16-slot centralized managed chassis with 1 managed card slot, Dual AC220V power inputs

Product Data Sheet



FR-6216-AA



Main Features

- Provides 1 management card slot and 16 service card slots
- Supports hot-swappable for service cards, management card and power modules.
- Supports remote power-off detection and alarm functions, enabling quick location of remote device faults.
- Supports multiple management methods including WEB, SNMP v1/v2 and Console. It accepts AC 220V power inputs with total power consumption $\leq 80W$. The device operates within $0^{\circ}C \sim 55^{\circ}C$, meeting the operating requirements of room-based equipment.

Overview

The FR-6216-AA is a managed fiber media converter chassis launched by Fiberroad. It is designed for centralized installation and management of various fiber transceivers and optical transmission service cards. Equipped with 1 management card slot and 16 service card slots, it supports centralized deployment and unified management of diverse optical transmission modules, and is widely applied to computer room environments for network access and optical fiber transmission systems.

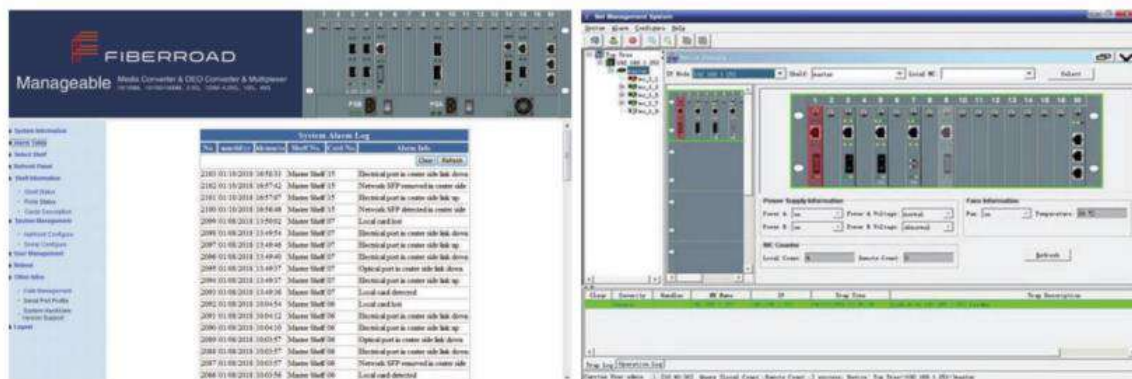
The FR-6216-AA supports various types of service cards, including managed optical-electrical converters, optical-to-optical transceivers (OEO optical signal repeaters), 1+1 protection cards, and CWDM/DWDM MUX/DEMUX optical multiplexing cards, meeting the requirements of diverse fiber transmission application scenarios. Featuring a modular design, the device allows users to flexibly configure different service cards according to actual network demands and realize centralized management of high-density optical transmission equipment.

In terms of management functions, the FR-6216-AA adopts a centralized network management architecture and supports multiple management modes including WEB, SNMPv1/v2 and Console, enabling device status monitoring, alarm management and remote maintenance. Equipped with remote power-off detection and alarm functions, the device can timely identify power abnormalities of remote equipment, helping operation and maintenance personnel quickly locate faults and improve network maintenance efficiency.

The FR-6216-AA adopts a modular structure design and supports hot-swapping of service cards, management modules and power modules. It allows online replacement and expansion during device operation, effectively improving system maintenance efficiency. The device supports dual AC 220V power inputs with a total power consumption no more than 80W, and is applicable to operator rooms, data communication rooms and enterprise network environments.

The FR-6216-AA is widely applied in telecom operator networks, enterprise fiber access networks, security monitoring transmission systems, industrial communication networks and other fiber transmission scenarios, providing users with a stable and reliable centralized management platform for fiber transceivers.

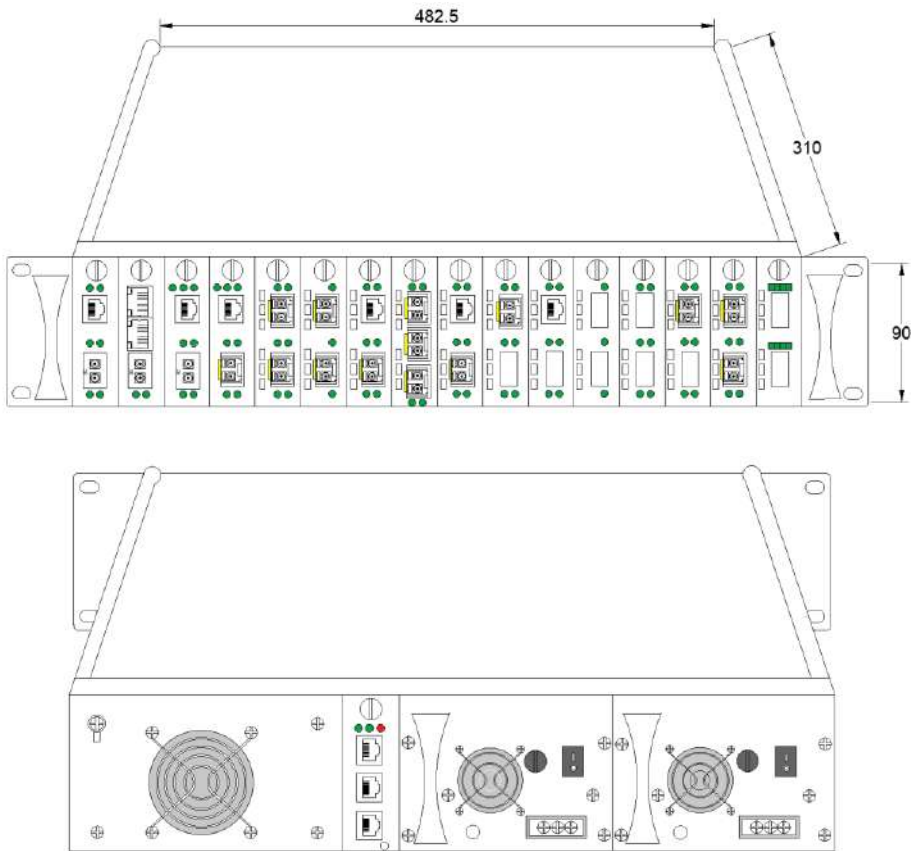
Network Management Interface



- Network based on GUI, easy operation with graded management mode (common user, super user and administrator).
- With centralized management and Top tree, several chassis can be managed in the same interface at the same time; with grouping management any converter can be conveniently manipulated among many converters.
- Master/slave structure, providing management module (master, slave), maximum 4 chassis which can hold 128 fiber ports and RJ45 ports cascaded can be managed.
- Supporting protocols like CONSOLE, WEB, Telnet and SNMP Special management software: Control center operates backstage with special management software, adopts information and keeps in management PC hard disk as database. It can set up users' authority and display/control local and remote media converters

Hard Spec.	FR-6216-AA
IEEE Standard	IEEE 802.3 / IEEE 802.3u / IEEE 802.3x
Interface Parameters	Electric Port: 1 × 10/100/1000Base-T Adaptive (RJ45)
	Serial Port: 1 × RS-232 Console Management Port
Slot Configuration	1 × Managed Card + 16 × Service Cards slot
LED Indicators	System LED Indicators: Power, System Status
	Service interface LED indicators are provided by each service card.
Power Supply Design	Input Voltage: AC 220V
	Power Configuration: Dual power modules, supporting redundant power supply
	Power Protection: Supports reverse connection protection, over-current protection and over-voltage protection
Power Consumption	≤80W
Environmental Index	Operating Temperature: 0°C~55°C
	Storage Temperature: -20°C~70°C
	Operating Humidity: 5% ~ 95% RH (Non-condensing)
	Heat Dissipation Mode: Fan cooling
MTBF	≥100000 Hours
Installation Spec.	Rack-mount Installation
	Dimensions (L×W×H, mm): 482.5×310×90
Warranty	3 Years
Weight	7000g
IP Rating	IP40

Dimensions Unit: mm



Ordering Information

Available Model	Description	Input Voltage	Operating Temp.
FR-6216-AA	2U 16-slot centralized managed chassis with 1 managed card slot, Dual AC220V power inputs	AC220V	0 to +55°C

Precautions

To prevent equipment damage or personal injury caused by improper operation, please observe the following precautions:

- ❖ Turn off the power before installation. Wear an anti-static wrist strap and ensure proper skin contact to prevent electrostatic discharge (ESD) damage.
- ❖ Ensure the power supply voltage matches the voltage specified on the switch.
- ❖ Before powering on the switch, verify that the power circuit is not overloaded to avoid abnormal operation or equipment damage.
- ❖ Do not open the chassis while the switch is operating. To avoid the risk of electric shock, do not disassemble the device.
- ❖ Disconnect the power before cleaning. Do not use a wet cloth or liquid cleaners.
- ❖ When installing in a rack, mount equipment from bottom to top to prevent overloading.
- ❖ Do not place heavy objects on the switch.

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