



M18000-WS-ED Module

Specifications V1.2

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Preface

Thank you for using our products. This manual will guide you through the installation of the device.

This manual describes the functional and physical features and provides the device installation steps, hardware troubleshooting, module technical specifications, and specifications and usage guidelines for cables and connectors.

Audience

It is intended for the users who have some experience in installing and maintaining network hardware. At the same time, it is assumed that the users are already familiar with the related terms and concepts.

Obtaining Technical Assistance


- Ruijie Networks Website: <http://www.ruijienetworks.com/>
- Service Email: service_rj@ruijienetworks.com
- Technical Support: <http://www.ruijienetworks.com/service.aspx>
- Technical Support Hotline: +86-4008-111-000

Related Documents

Documents	Description
Configuration Guide	Describes network protocols and related mechanisms that supported by the product, with configuration examples.
Command Reference	Describes the related configuration commands, including command modes, parameter descriptions, usage guides, and related examples.

Symbol Conventions

 Means reader take note. Notes contain helpful suggestions or references.

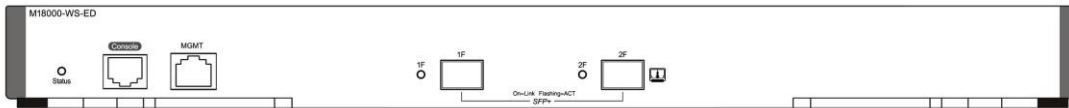
 Means reader be careful. In this situation, you might do something that could result in equipment damage or loss of data.

1 M18000-WS-ED

The M18000-WS-ED is a service module that expands the wireless control function of the N18000 series switches.

Image

Figure1 M18000-WS-ED



Ports

The M18000-WS-ED module provides four external ports including two management interfaces and two service ports:

- Console port: As a serial port for communications, it uses RS-232 interface level and standard RJ-45 connector. This port is used to connect the serial port of terminal computers running on the background for such tasks as the debugging, configuration, maintenance, management, and programming loading of the wireless control module.
- 10/100/1000M MGMT port: As a 10/100/1000BASE-T Ethernet port, it uses the RJ-45 connector. This port is used to connect the Ethernet port of the background computer for program loading.
- SFP+ port: It is a 10G service port.

LEDs

Table 1 provides information about LEDs on the M18000-WS-ED module.

Table 1 LEDs

Type	Sign	Status	Description
System status LED	Status	Off	The module is not receiving power.
		Solid red	The module is faulty and disabled.
		Blinking green	The module is initializing. Continuous blinking indicates errors.
		Solid green	The module is operational.
10/100/1000M MGMT port LED	Link/ACT	Off	The port link is not active (link is not connected).
		Solid green	The port is active (link is connected). The port is transmitting or receiving.
SFP+ port LED	1F and 2F	Solid green	The port is active (link is connected).
		Blinking green	The port is transmitting or receiving.

Specifications

Table 2 lists the specifications for the M18000-WS-ED module.

Table 2 Specifications

Parameter	Specification
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Management CPU	CPU: Quad-core with 1.0 GHz per core BOOTROM: 8MB Flash Memory: 512MB SDRAM: DDRIII 1GB
Service CPU	CPU: 32-core with 1.2GHz per core BOOTROM: 8MB Flash Memory: 512MB SDRAM: DDRIII 8GB
Service Ports	Two 10 Gigabit SFP+ ports
Transmission Medium	1000BASE-SX(850nm) MMF ² 1000BASE-LX(1310nm) SMF ¹ 1000BASE-LH (1310nm) SMF 1000BASE-ZX(1550nm) SMF 10GBASE-SR(850nm) MMF 10GBASE-LR(1310nm) SMF 10GBASE-ER(1550nm) SMF 10GBASE-ZR(1550nm) SMF XG-SFP-CU1M 1m SFP+ copper cable XG-SFP-CU3M 3m SFP+ copper cable
Management Ports	One console port and one 10/100/1000M MGMT port
LEDs	Status LED, Link/ACT LED
Hot Swapping	Supported
Power	<190 W
EMC Standards	GB 9254-2008 CLASS A
Safety Standards	GB 4943-2011
Operating Temperature	0°C to 45°C
Operating Humidity	5% to 95% (non-condensing)
Storage Temperature	-40°C to 70°C
MTBF	248,000 hours
Weight	4.58 kg
Dimensions (L x W x H)	399 mm x 440 mm x 40.18 mm

1. Single-mode fiber optic (SMF)

2. Multimode fiber optic (MMF)