



**AH10000 Optical
Transmission
Platform Rack**

**Quick Reference
Guide**

Revision A

ACT AH1000 Optical Transmission Platform Rack

Quick Reference Guide

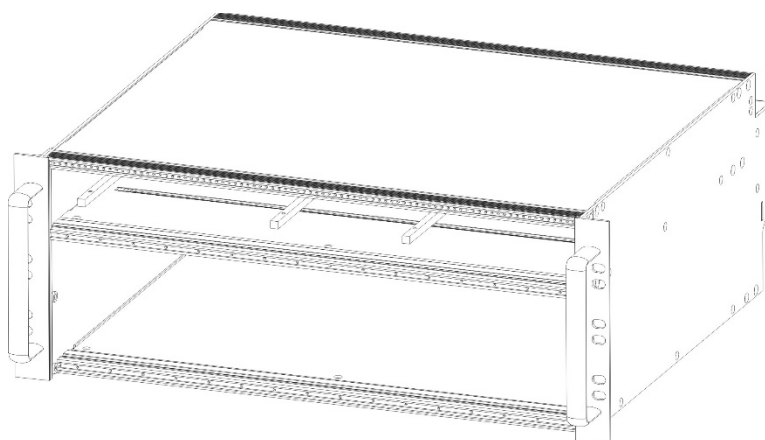
ACT Document Number: ACT AH1000 Optical Transmission Platform Rack Quick Reference Guide
Revision A

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This document is produced to assist professional and properly trained personnel with installation and maintenance issues for the product. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.

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Revision History

Revision	Date	Reason for Change
A	12/08/2015	Initial Release

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Shape and Structure

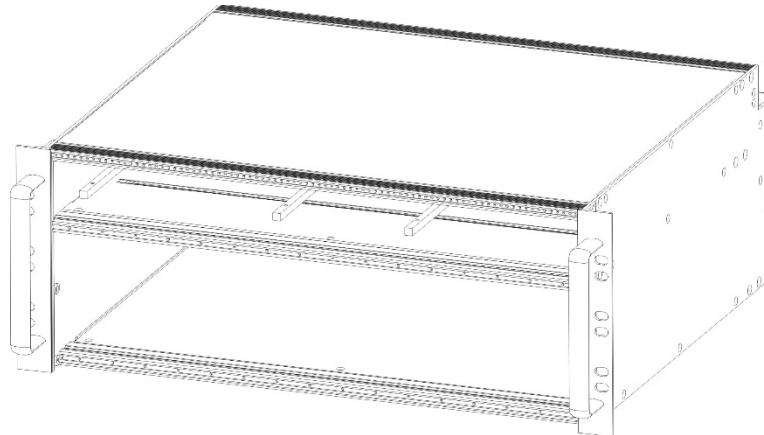


Fig.1 4U-19 rack outside view

4U-19 rack is made from galvanized steel sheets. The 3 upper layer slots (P1, SM, P2) are used to install the P series power modules and SMM unit, and the 16 under layer slots (SLOT1 to SLOT16) are used to install application modules such as an optical transmitter/receiver module. Also included are an RF connector, AC power interface, Ethernet interface, and RS232 status monitoring interface.

Internal Connector

Fig. 2 and Fig. 3 show the connector from front/rear panel.

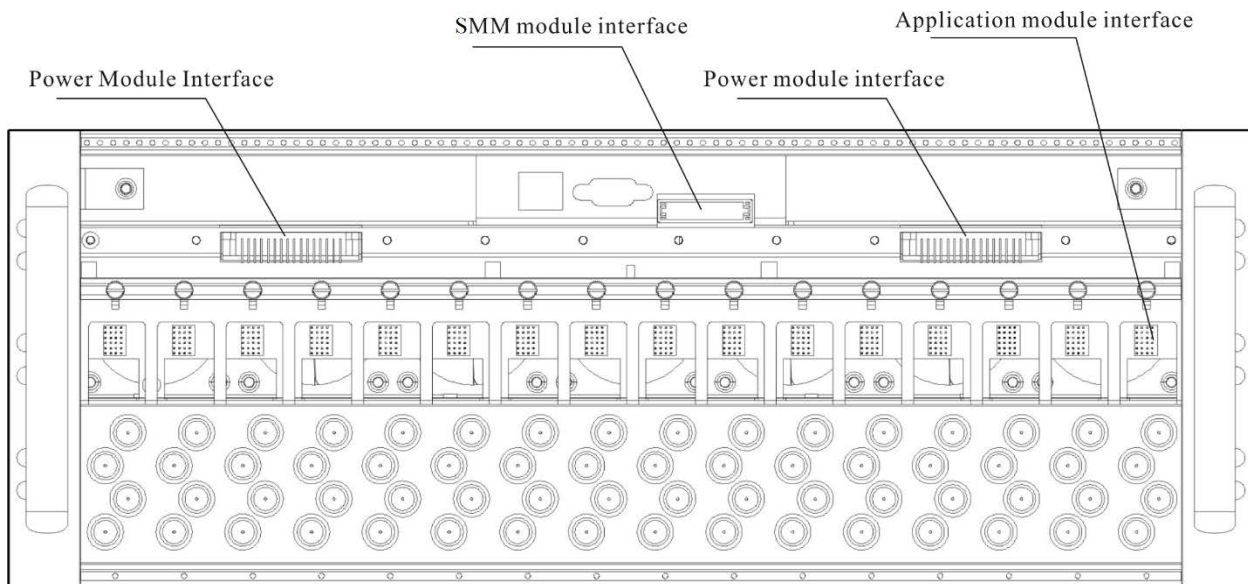


Fig. 2 The internal connector location map (see from front panel)

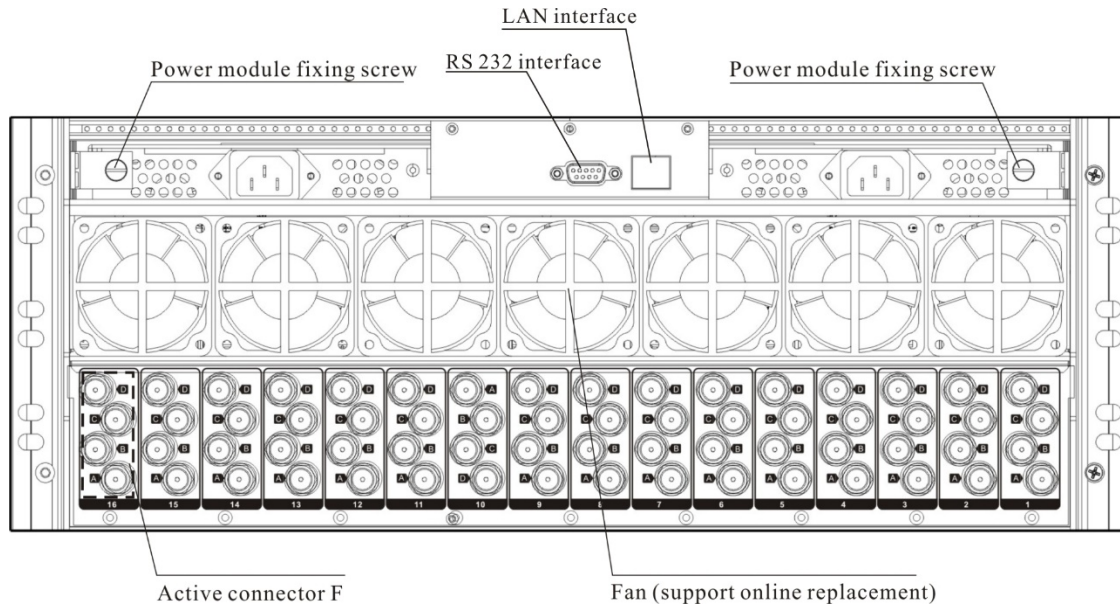


Fig. 3 The location map (see from rear panel)

Installation



Note: When the optical transmitter/optical amplifier are working, there is an invisible laser beam. Even when the optical transmitter is off, the optical fiber from an external optical source will radiate a laser beam. These laser beams will cause permanent harm to human bodies and eyes, so users should avoid observing or contacting the fiber end face and make sure the optical source is turned off when cleaning the optical connector.

Matters that Need Attention before Installation



Note

All assembly work should be done by qualified operators.

Memorize the following precautions before rack assembly and disassembly:

- Try to avoid collision with the previously installed application module in the rack, especially the connected optical fiber.
- Avoid bending, twisting, twitching and squeezing the optical fiber.

Mounting the Rack into a Cabinet

Here are instructions for how to mount the rack into a cabinet. For instructions on how to assemble/disassemble application modules, see the relevant module sections.

Mount the rack into a cabinet before assembling application modules, as follows:

1. Determine the position of rack.
2. Make sure the cabinet is firm enough, the rack is heavy.
3. Place the rack on the cabinet, then fix it in place with screws.

Performance Specifications

Item	4U-19 rack	Comment
Rack Dimensions (W × H × D)	483 mm × 176 mm × 420 mm	
Temperature Range	-25 °C to +55 °C	
Humidity Range	0 to 95 %	Non-condensing environment
Weight	xx kg	



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