

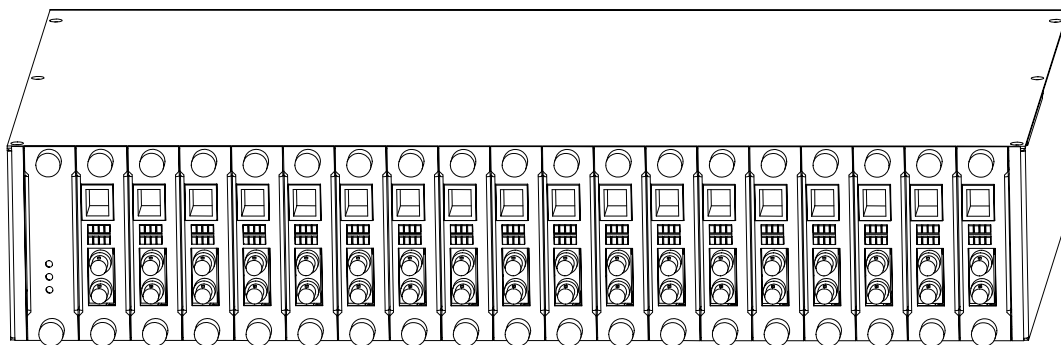
Installation Instructions

NIF-iRACK Series

Rack Chassis

Descriptions

The NIF-IRACK series 19-inch rack chassis is designed to accommodate 18 or 19 line cards of various types of media converters for easy operation and management. The compact 2U height saves the space of central offices. The redundant power system can be DC or AC to meet your different needs.



Specifications

Mechanical

Standard 19-inch chassis

Height: 2U

18 standard slots for media converter line cards and 1 dual-function slot for a media converter line card or an LED diagnostic card

Applicable line cards

Media converter line card series (may be more in the future)

LED diagnostic card

Operating environment

Temperature 0~70

Humidity 10~90% non condensing

Power supply

AC power:

Input: 100~250VAC 50~60Hz

Output: 12VDC 8.5A

DC power:

Input: 18~56VDC

Output: 12VDC 8.5A

Installation

Converter line cards

Insert the line cards horizontally into the slot until the other end of the card reach the back plane of the chassis. Push the card with a little more force to make the rear-end connector fixed.

You can use any one of all 19 slots for installing converter line cards. All line cards are hot-swappable. You can insert or remove any card when no matter the system power is off or not. Please refer to the product information of converter line cards for details of their installation and operation.

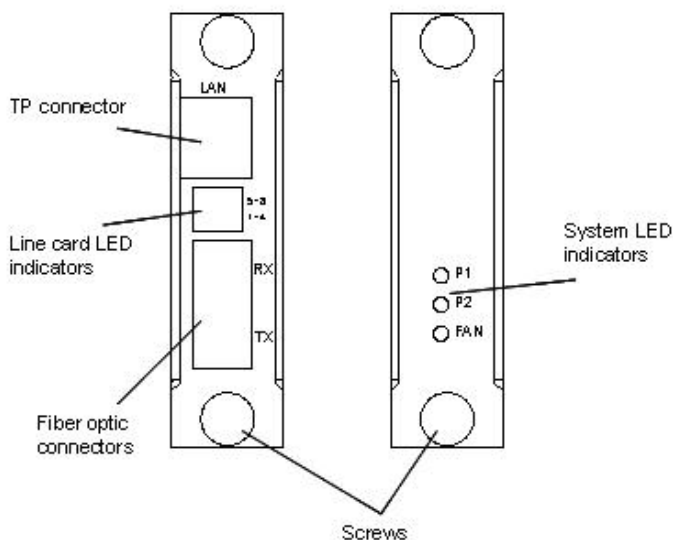
The LED diagnostic card

The LED diagnostic card can be installed on the leftmost slot only. Once the card is installed, the three LEDs on the card show the status of the whole system. The definitions of the LED indicators are:

P1: The status of power 1. It is lit when power 1 works properly.

P2: The status of power 2. It is lit when power 2 works properly.

FAN: The status of the system fan. It is lit when the system fan works properly.



The media converter line card (left) and LED diagnostic card (right).

Power supply

NIF-IRACK supports two redundant power supplies. Each of them can be AC or DC type. When you install two power supplies, they work simultaneously. If one of them is failed, the other one takes the full duty to continue the service without shutting down the system. You can follow the steps below to change the power supply:

1. The power supply drawers are in the rear side of the chassis. Loosen the spring-loaded screws and pull the drawer out.
2. Unplug the input and output power cord. Loosen the 4 fixing screws of the power supply.
3. Change a new power supply and fasten the fixing screws. Plug the input and output power cord.
4. Insert the power supply drawer and fasten the spring-loaded screws.

System fan

NIF-IRACK is equipped with a system fan to enhance the air circulation and heat dissipation. Although all line cards are designed to very low power consumption and can operate properly will full load even without any external cooling system, we suggest you to run the system when the system fan works properly. When the FAN indicator is off, please contact the sales agent to deal with it.

The information contained in this document is subject to change without prior notice.

Preliminary