



# ION106 Chassis

Media Converters



## 6-SLOT CHASSIS FOR ION SLIDE-IN MODULES

The ION106 is an intelligent, multi-service integration platform that offers first-rate solutions for integrating, optimizing and navigating networks, all in a 19" rack mountable 1RU form factor.

By cost-effectively integrating copper-based equipment into a fiber infrastructure, the ION Platform equips networks for the bandwidth, distance, and security demands of today, tomorrow, and every point in between. Designed for service providers, data centers, and core network applications, the ION Platform provides the secure network management of fiber interface points required for both carrier-class and enterprise-class services.

Media conversion technology allows for the integration of fiber optic cabling into environments with copper-based equipment. Lantronix's ION media converters provide a quick, inexpensive method for connecting new or embedded fiber with copper-based networking devices. The ION Platform accommodates a variety of modules and interface devices supporting multiple protocols and networking environments, including Ethernet and TDM networks. With optimum flexibility built in, ION is equally suited for either single-unit network edge or high-density applications within enterprises or central offices. The ION Platform provides simple navigation of all the connected network interfaces, allowing various components to be easily configured, monitored and managed remotely while providing a high level of secure access to the management data. Lantronix's ION solutions allow users to easily integrate copper and fiber in order to extend networks within a building, between buildings, or throughout a campus where multiple points of fiber integration and secure network management of the fiber interface devices is essential.

An end-to-end fiber integration solution can be achieved by pairing the modules in an ION chassis with the modules in another ION chassis or an ION stand-alone device. To take full advantage of all the features and functions available with the ION Chassis, an ION Management Module is required. The ION Management Module connects to the chassis backplane and communicates with the individual cards in the ION Chassis. Each slide-in module for the ION Chassis has specific features and functions that are controlled via the ION Management Module. A network administrator can configure, monitor and troubleshoot ION slide-in modules remotely via the ION Management Module.

### Applications:

- Corporate Networks
- Campus Environments
- Data Centers

### Markets:



Service  
Providers



Enterprise



Data Centers



## Specifications

### Slots

- (6) Slots in front for ION slide-in modules
- (2) Slots in front for power supply modules

### Status LEDs

- Power On LED for each installed power supply module

### Dimensions

- Width: 17" [430 mm]
- Depth: 10" [254 mm]
- Height: 1.75" [44.45 mm]

### Power Consumption

- 10 Watts

### Power Supply

- \*Two open bays for ION 6-slot power supply modules supporting: AC: 100-240VAC
- DC: -21 to -72VDC and +21 to +72VDC

### Environment

- Operating: 0°C to 50°C
- Storage: -40°C to 85°C
- Humidity: 5% to 95% (non-condensing)
- Altitude: 0 – 10,000 ft.

### Shipping Weight

- 10 lbs. [4.5 kg]

### MTBF

- No power supply:
- Greater than 250,000 Hours (MIL HDBK 217F)
- Greater than 687,500 Hours (Bellcore)
- 1 power supply: Greater than 165,000 hrs. (Bellcore)
- 2 power supplies: Greater than 82,500 hrs. (Bellcore)

### Certifications

- UL listed, EN55022 Class A, EN55024, CE Mark, FCC Class A, CISPR Class A

### Warranty

- Lifetime

**\*Note:** Power supply module supplies +12VDC maximum to each card slot in the chassis. Only one power supply module is required to power the chassis and the installed modules, the optional second power supply module provides redundancy for instant fail-over.

## Management Features

- Variety of management access methods including; telnet, web, SNMP
- The single slot management module design allows for more slide-in modules to be inserted in the ION Chassis
- Management VLAN
- Based on Public MIBs
- (2) 10/100 Ethernet interfaces
- USB console port
- TFTP upgrade/backup of slide-in modules
- Import/Export configuration files in human readable/editable format
- Multiple community strings

## Security Features

When the optional management module is used, the following security features are available, allowing you to control access to the ION Chassis via the ION Management Module, ensuring that only authorized personnel are able to view and change the settings to the slide-in modules.

- Management VLAN
- SSL
- SSH
- IEEE 802.1X
- SNMPv1 & V2c, +V3

## Access Method

- Web-browser: Access the ION Management Module using a standard web browser
- Command Line Interface (CLI): CLI access can be done via telnet remotely or via the local console port on the ION Management Module
- SNMP: Since the ION platform is based on public MIBs you can easily manage the ION with a standard network management system (NMS) such as SNMPc, HPOV or any other standard SNMP platform
- Focal Point: Lantronix offers a free SNMP graphical user interface (GUI) software for management purposes. Focal Point offers full read and read/write capabilities in a user friendly GUI

## Ordering Information

Part Number	Description
ION106-A	6-Slot ION Chassis with (1) AC power supply
ION106-D	6-Slot ION Chassis with (1) DC power supply
ION106-AAB	6-Slot ION Chassis with (2) AC power supplies
ION106-AAMB	6-Slot ION Chassis with (2) AC power supplies and (1) ION Management Module

## Optional Accessories

Part Number	Description
IONPS6-A	Redundant ION Power Supply Module for ION 6-Slot Chassis, Universal input 100 – 250 VAC
IONPS6-D	Redundant ION Power Supply Module for ION 6-Slot Chassis, -21 to -72VDC and +21 to +72VDC input
IONMM	ION Management Module
IONFP	ION Face Plate (required for all empty slots) (4 face plates included with the ION106)
IONRE6-23	23" Rack Mount Ears for ION 6-Slot Chassis (19" ears included with the ION106)

### Power Cord Included

To order the corresponding country specific power cord, add the extension from the list below to the end of the SKU; Ex: ION106-A-**NA**

Note: Only for ION106-A, ION106-AAB, and ION106-AAMB

#### -NA = Country Code

- |                      |                     |              |
|----------------------|---------------------|--------------|
| -NA = North America  | -LA = Latin America | -EU = Europe |
| -UK = United Kingdom | -SA = South Africa  | -JP = Japan  |
| -OZ = Australia      | -BR = Brazil        |              |

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