

ION Chassis

A Third Generation Chassis From Transition Networks

The ION219-x is an all new intelligent, high-density, multi-protocol system supporting a variety of network interface devices. Designed for both carrier class and enterprise network applications 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 a high density ION chassis with the modules in another ION chassis, an ION stand-alone, or a Transition Networks' Point System™ 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.

Transition Networks understands that no network is managed in the same manner and that different security levels and management interfaces are often required depending on the deployment of the ION Chassis. With that in mind, the ION Platform has been designed to be one of the most versatile and secure fiber integration systems available today.



ION001-A



ION219-A

Access Methods

- **Web-browser:** Access the ION Management Module using a standard web browser such as Internet Explorer or Mozilla Firefox.
- **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:** Transition Networks offers a free SNMP graphical user interface (GUI) software (Focal Point) for the management purposes. Focal Point offers full read and read/write capabilities in a user friendly GUI.

Specifications

Slots	ION219-A	(19) Slots in front for ION slide-in-modules (2) Slots in rear for power supply modules
	ION001-A	(1) Slot in front for ION slide-in-module
Unit LEDs	ION219-A	Power On LED for each installed power supply module
	ION001-A	None
Dimensions	ION219-A	Width: 17.0" [430 mm] Depth: 15.8" [401 mm] Height: 3.5" [89 mm]
Dimensions	ION001-A	Width: 4.0" [102 mm] Depth: 7.1" [180 mm] Height: 1.4" [36 mm]
Power	ION219-A	Two open bays for ION power supply modules, supporting Universal Input 100 – 240 VAC, or -48 VDC rated at 200 watts max output Note: Power supply module supplies +12 VDC maximum to each 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.
	ION001-A	External AC/DC power supply included, 12VDC, 0.5A unregulated
Environment		0~ 50°C operating 5% - 95% humidity (non-condensing) 0 to 10,000 ft. altitude
Shipping Weight	ION219-A	19 lbs. [8.6 kg]
	ION001-A	2.0 lbs. [0.9 kg]
Compliance		UL listed, EN55022, EN55024, CE Mark, FCC Class A, CISPR Class A
Warranty		Lifetime

Ordering Information

- ION219-A**
19-Slot Chassis for The ION Platform, AC Powered
- ION219-D**
19-Slot Chassis for The ION Platform, DC Powered
- ION001-A**
1-Slot Chassis for The ION Platform
- Optional Accessories (sold separately)**
- IONPS-A**
ION Power Supply Module, Universal Input 100 – 240 VAC
- IONPS-D**
-48 VDC Power Supply Module
- IONMM**
ION Management Module
- IONFP**
ION Face Plate (required for all empty slots)
- WMBC-2RU**
Wall mount brackets for a 2RU Chassis
- IONRE-23**
ION 23" Rack Mount Ears

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
- 802.1x
- SNMPv1 & V2c, +V3

Key Management Features

- ▶ Variety of management access methods including; telnet, web, SNMP
- ▶ Single slot 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