# IONMM Series

## The ION Management Modules


IONMM


IONMM-232

To take full advantage of 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. To maintain data security, only management traffic, no end-user data traffic, is sent across the ION Chassis backplane.

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. This remote management helps reduce Operating Expenses (OpEx) by reducing technician dispatches. Remote management allows for faster mean-time-to-repair (MTTR) by proactively sending traps and alerts on potential issues. With less downtime you are able to focus on the revenue generating aspects of your business.

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, we have made the ION Management Module one of the most versatile and secure management modules available today.

## Ordering Information

**IONMM**
Management Module for the ION Chassis with a USB Type B CLI port

**IONMM-232**
Management Module for the ION Chassis with a RS232 RJ-45 CLI port

**Optional Accessories** (sold separately)

**Cable-CCC-06**
Cisco DB9 to RJ-45 console cable, Blue 6ft.

## Features

- Management VLAN
- TLS/SSL
- SSH
- 802.1x/RADIUS
- SNMPv1 & v2c, and v3
- ACL Rules

## 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
- Based on Public MIBs
- (2) 10/100 Ethernet interfaces
- TFTP upgrade/backup of slide-in modules
- Import/Export configuration files in human readable/editable format
- Multiple community strings
- SNTP

## Specifications

| | |
|---|---|
| Standards | IEEE 802.3<br>IEEE 802.1X |
| Ports | IONMM:<br>(2) 10/100 Mbps RJ-45<br>USB 2.0 device port<br>USB 2.0 host port<br>IONMM-232:<br>(2) 10/100 Mbps RJ-45<br>USB 2.0 device port<br>(1) RS232 RJ-45 host port |
| Dimensions | Width: 0.86" [22 mm]<br>Depth: 6.5" [165 mm]<br>Height: 3.4" [86 mm] |
| Power Consumption | 2 Watts under normal operation<br>4.8 Watts with full 2.5 Watts used by USB host port<br>(Example: Flash Drive connected requiring 2.5 Watts) |
| Environment | **Environment specs are dependent on the chassis chosen**<br>Operating: 0°C to 50°C<br>Humidity: 5% to 95% (non-condensing)<br>Altitude: 0 – 10,000 ft. |
| Weight | 1 lb. [0.45 kg] |
| Compliance | EN55022 Class A, EN55024, CE Mark |
| Warranty | Lifetime |

## Access Methods

- 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.
  - Choose between a management module with a USB Type B CLI port or a RS232 RJ-45 CLI port
- 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 for management purposes. Focal Point offers full read and read/write capabilities in a user friendly GUI.