AT-MCF2000S

Slave Module

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Slave module

Overview

The AT-MCF2xxx multi-channel modular media chassis is a high performance, highly available, high channel density media device. Designed for maximum reliability, the fan modules, power supplies and the management module can all be hot removed and inserted without any interruption to traffic flow on any of the blades. Up to two media blades can be inserted into the AT-MCF2000 chassis and up to four media blades into the AT-MCF2300 chassis, providing a scalable 'pay-as-you-grow' architecture. This is further extended by stacking multiple chassis with one management module, AT-MCF2000M controlling a complete stack. All other chassis' would be populated with the AT-MCF2000S slave module.

Extend the Distance of Ethernet

The primary function of the AT-MCF2xxx multi-channel modular media chassis is to extend the distance of Fast Ethernet and Gigabit Ethernet* networks. Standard Twisted Pair Cat 5/6 copper cabled Ethernet networks have a maximum operating distance of 100 meters (328 feet). Depending on the media blade model, the blades operate over both multi-mode or single-mode fiber at distances up to 15km in either half or full-duplex operation.

Flexible Management

Cost conscious and security conscious network administrators may choose to implement an unmanaged network using the AT-MCF2xxx. With no management module installed in the chassis, each port on a blade can be locally configured using a 'jog' button located on the front panel of the blade. This allows each port to be independently configured to operate in Link, MissingLink™, or Smart MissingLink™ modes.

Installing a management module into the chassis allows the chassis to be configured and monitored via a local RS232 port, or through the 10/100/1000T interface for Telnet or SNMP. For security reasons, each management mode can be individually disabled. In Telnet mode, up to 10 user password protected accounts can be configured, each with multiple management privileges ranging from read only to supervisor access.

The installation of a management module allows the network administrator to configure all the ports on each media blade, without having to use the 'jog' button.

Expandability

Multiple AT-MCF2xxx chassis' can be stacked together, and all managed by a single AT-MCF2000M management module. Slave chassis need to have an AT-MCF2000S slave module installed. Stacked chassis' can consist of any mix of AT-MCF2000 and AT-MCF2300 chassis, with a maximum of 16 blade slots, supported in a single stack.

Stack chassis' can be located up to 100m away from each other.

Key Features

- Stackable architecture allows one management module to control multiple chassis
- Multiple user level management privileges
- Management module replacement without channel traffic interruption
- Simple field maintenance
- SNMP, RS232, Telnet management when used in conjunction with AT-MCF2000M
- Compatible with AT-MCF2000 and AT-MCF2300 chassis
- Hot swappable

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Technical Specifications

Fiber Optic Parameters

System Operating Parameters

Temperature range:	Operating: 0°C to 40°C Non-operating: -25°C to 70°C
Humidity range:	Operating: 5% to 95% non-condensing Non-operating: 5% to 95% non-condensing
Altitude:	Operating: 4,000 meters (13,000 feet) Non-operating: 4,000 meters (13,000 feet)

Standards and Conformance

EN55024
UL60950-1
CSA22.2 No.950
TUV (EN60950)
CE
FCC Class A
EN55022 Class A
EN55024 Class A
VCCI. Class A
C-TICK

Ordering Information

AT-MCF2000S
Slave module

Associated Products

AT-MCF2000-00
Multi-channel media chassis, comprising of
1 x AT-MCF2000 chassis
1 x AT-MCF2000FAN fan module for second power supply slot
1 x AT-MCF2KPNL2 PSU slot blanking panel
2 x AT-MCF2KPNL1 media slot blanking panels
1 x AT-MCF2KPNL3 management slot blanking panel
1 x Rack-mount kit

AT-MCF2000AC
AC power module for AT-MCF2000 chassis including 4 x power cords (US, EU, UK, AU)

AT-MCF2300-00
Multi-channel media chassis, comprising of
1 x AT-MCF2300 chassis
1 x AT-MCF2300FAN rear fan module
2 x AT-MCF2KPNL2 PSU slot blanking panels
4 x AT-MCF2KPNL1 media slot blanking panels
1 x AT-MCF2KPNL3 management slot blanking panel
1 x Rack-mount kit

AT-MCF2300AC
AC power module for AT-MCF2300 chassis including 4 x power cords (US, EU, UK, AU)

AT-MCF2000M
Management module

AT-MCF2012LC
12 channel Fast Ethernet media blade
12 x 100TX to 100FX (LC) 2km multi-mode fiber

AT-MCF2012LC/1
12 channel Fast Ethernet media blade
12 x 100TX to 100FX (LC) 15km single-mode fiber

AT-MCF2032SP
12 channel 10/100/1000T Gigabit Ethernet to SFP line card

AT-MCF2000FAN
Spare fan module, for use in single PSU powered AT-MCF2000 chassis

AT-MCF2300FAN
Spare fan module, for use in single PSU powered AT-MCF2300 chassis

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