

IN-BAND Managed Media Converter Modules

Fast Ethernet 10/100Base-TX to 100Base-FX

Gigabit Ethernet 10/100/1000Base-TX to 1000Base-X

The CIII range of slide-in Media Converter modules are designed to fit into the 18 slot CIII-Chassis and provide a solution for all of your Ethernet conversion requirements (10/100/1000Mbps), converting twisted pair RJ45 cable into various fibre media including multi-mode, single mode, SC/ST/MR connector, or bi-directional wdm (single fibre). Media Converters enable the traditional transmission distance of 100m over RJ45 copper to be extended to multiple km over fibre. The Converter modules are all SNMP manageable and support a range of L2+ features particularly suited for Enterprise and campus based networks.

Features

- Comply with IEEE 802.3 10BASE-T, 802.3u 100BaseTX, 802.3ab 1000Base-T*, & 802.3z 1000Base-X* standards
- Comply with IEEE 802.3 ah OAM standard
- Comply with IEEE 802.1p Priority
- Comply with IEEE 802.1q Tag VLAN
- Store and Forward Switching Mechanism
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation in TP port
- Power/FDX/FX & TP Link Activity/FDX/TP Speed/Status LED
- Frame Jumbo up to 9728bytes*
- Link Pass Through
- QoS Classification based on TOS
- Selectable ISP Ethernet Tag Type*
- Q-in-Q VLAN Tunneling
- Bandwidth Control Configuration
- Compatible with CIII-CHASSIS Module Management
- Compatible with CIII-CHASSIS Module H/W specification
- IN-BAND Loop Back and Diagnostic
- Local port management function
 - State Monitor
 - Enhanced Port Monitor
 - Port Configuration
- Remote port management function
 - State Monitor
 - Port Configuration
- In-Band Module F/W upgrade

Note: * supported on 10/100/1000Mbps CIII-3512BTFX/W2X/SFP modules only



Specifications

Interface	CIII-2512	CIII-3512
TP Port – 10/100Base-TX, RJ45 x 1	✓	✓
TP Port – 10/100/1000Base-TX, RJ45 x 1		✓
FO Port – 100Base-FX x 1	✓	
FO Port – 1000Base-X x 1		✓
Standards		
IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX	✓	✓
IEEE 802.3ab 1000Base-T		✓
IEEE 802.3z 1000Base-X		✓
IEEE 802.3x Flow Control	✓	✓
IEEE 802.1p Priority, IEEE 802.1q Tag VLAN	✓	✓
LED		
Power, Status, Link, Speed	✓	✓
Power		
Voltage Requirement: DC 12V	3.5W	6W
Environmental Conditions		
Operation: 0°C-50°C, Storage: -20°C-60°C, Humidity: 5% - 90% non-condensing	✓	✓
Dimensions and Weight		
Size – 8.6 x 22.4 x 192 mm (WxDxH), Weight: 0.3KG	✓	✓

Order Information

Model	Fibre Port				TP Port
	Speed	FibreType	Connector	Distance	Speed
CIII-2512BTFC	100	MM	SC	2KM	10/100
CIII-2512BTFT	100	MM	ST	2KM	10/100
CIII-2512BTFC(SM-30/50/80/100)	100	SM	SC	30/50/80/100KM	10/100
CIII-2512W2A(SM-20/40)	100	WDM	SC	20/40KM	10/100
CIII-2512W2B(SM-20/40)	100	WDM	SC	20/40KM	10/100
CIII-2512FSM(SM-30) MM to SM Converter	100	MM	SC	2KM	n/a
	100	SM	SC	30KM	
CIII-2512SFP	100	-	-	-	10/100
CIII-3512BTFC	1000	MM	SC	2KM	10/100/1000
CIII-3512BTFC(SM-10/20/30/50/80)	1000	SM	SC	10/20/30/50/80KM	10/100/1000
CIII-3512W2A(SM-10/20/40)	1000	WDM	SC	10/20/40KM	10/100/1000
CIII-3512W2B(SM-10/20/40)	1000	WDM	SC	10/20/40KM	10/100/1000
CIII-3512SFP	1000	SFP	-	-	10/100/1000