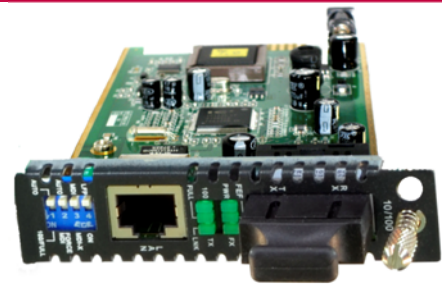


# ACMC 10/100i Boards



## Fast Ethernet OAM/IP In-band Media Converters

The ACMC-10/100i is a 10/100Base Ethernet to 100Base-FX fiber slide-in card converter designed for central and remote applications. With advanced features like bandwidth control, this media converter is targeted for customer premises equipment in metro LAN, campus, enterprise and FT Tx applications. By offering in-band management, this converter can be completely controlled and monitored from a centrally located managed rack controlling all converter settings including bandwidth control, duplex, and speed configuration. This media converter is completely transparent to Layer 2 and Layer 3 protocols including IEEE 802.1q, VLAN tag, Q in Q, STP, IPX, IP, etc. .

### Features

- Supports Loop Back Test
- Auto-Cross over for MDI/MDIX in TP port
- Supports far end fault (FEFI) function via OAM
- Auto-Negotiation or Manual mode in TP port
- Supports link fault pass through (LFP) function
- Bandwidth control (32K or 512Kbps x N)
- Forward 2046 bytes (max.) packets in switch mode
- Forward 9K jumbo packets in converter mode
- Store and forward (switch) mode or Convert mode (small latency)
- Supports local or remote In-band management by the Local, SNMP or NMC
- Supports remote CPE power fail detection (Dying gasp)
- Provides Auto Laser Shutdown (ALS) function
- Supports Fiber Hardware Reset (FHR) function
- Provides fiber transceiver information for management
- Supports On-Line In-band F/W upgrade (local or remote) by the SNMP manager in CH-20.
- Supports Q in Q frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Standards: IEEE 802.3, 802.3u, TS-1000

#### Optical Interface

- Connector: 1x9 (SC, ST, FC)
- Data rate: 100Mbps
- Duplex mode: Full duplex
- Fiber: MM 50/125 $\mu$ m, 62.5/125 $\mu$ m; SM 9/125 $\mu$ m
- Distance: MM 2km, SM 15/30/50 km,
- WDM 20/40 km
- Wavelength: MM 1310nm, SM 1310,1550nm
- Single Fiber WDM: 1310Tx/1550Rx (type A)  
1550Tx/1310Rx (type B)

#### Electrical Interface

- Connector: RJ45
- Data rate: 10Mbps, 100Mbps
- Duplex mode: Half / Full duplex
- Cable: 10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e or higher

Standard IEEE 802.3, IEEE 802.3u

Indications LED (Power, Test, FX-Link, TX-Speed, TX-Link )

Power Input Card : 12VDC

Standalone : AC, DC options

Power Consumption < 6W

Dimension 155 x 88 x 23mm (D x W x H)

Weight 120g

Temperature -20 ~ 75°C

Humidity 10 ~ 90% non-condensing

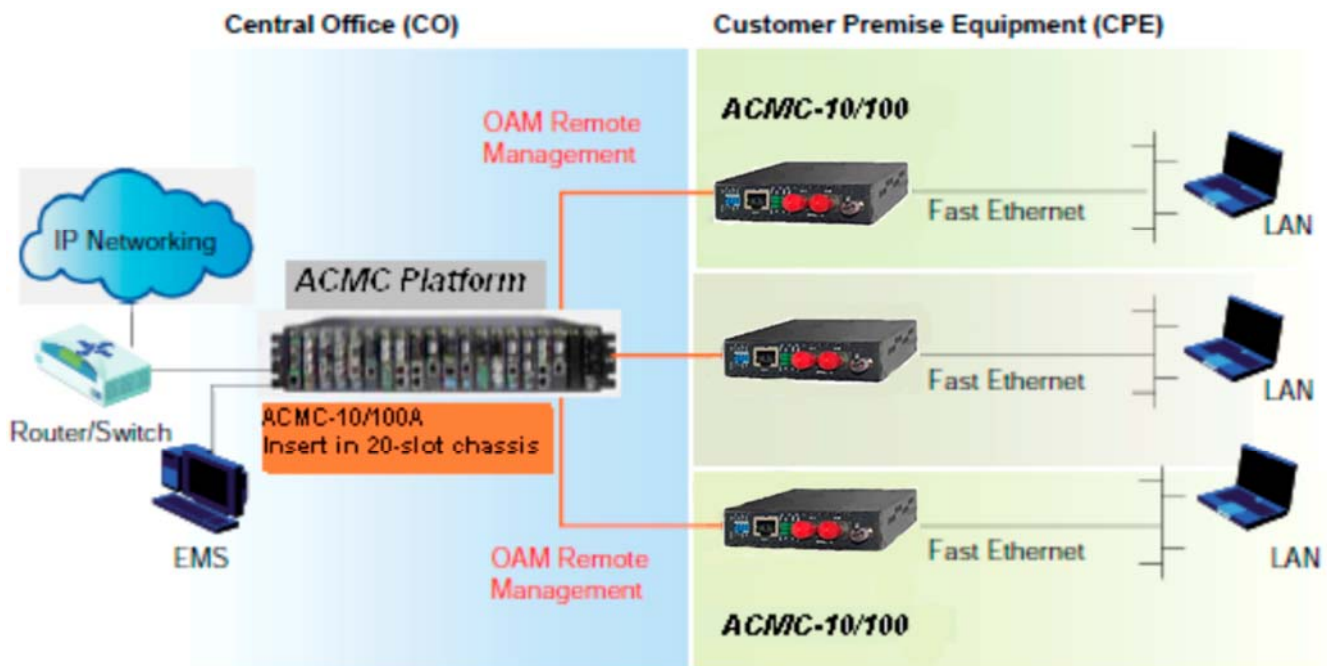
Certification CE, FCC, LVD, RoHS

MTBF 65,000 hrs (25°C)

# ACMC 10/100i Boards

## NMC Management Application

When the standalone is powered on, the operation first follows the configuration set by Dip Switch setting. After the NMC card starts polling the standalone unit, the Dip switch settings are ignored and the stand-alone unit follows the configuration stored in the NMC Card.



### ACMC-CH01M

#### Features

One slot chassis  
Supports DB9 for local management  
Fanless  
Dimensions: 201x135x35mm (DxWxH)

#### Power Input

AC power: 100 ~ 240VAC  
DC power: 24VDC, 48VDC, 72VDC

### ACMC-CH02M

#### Features

Two slot chassis  
Supports backplane connection  
Supports DB9 for local management  
Fanless  
Dimensions: 220x168x45mm (DxWxH)

#### Power Input

AC power: 100 ~ 240VAC  
DC power: 24VDC, 48VDC, 72VDC

### ACMC-CH04/NMC

#### Features

Four slot chassis  
Supports backplane connection  
Telnet, Web GUI, SNMP  
Fanless  
Dimensions: 162x87x88mm (DxWxH)

#### Power Input

Power Adapter:  
Input: 100~240 / Output: 12 VDC