

M E L  
B Y  
E

RAYCORE

Q3-S259 V9.2E

Specification of Non-Manageable Gigabit  
Fiber Media Converter, 10/100/1000Base-T  
to 1000Base-X

Part Number: ATFN-xT1x-xxxxx-00



Media Converter stand-alone



Media Converter with Fiber Tray



LAN port slot



Fiber tray

Raycore' s Fiber Media Converter is a 10/100/1000Base-T to 1000Base-X non-managed gigabit fiber media converter. And special hiding DIP switch design for LFP function enable/disable.

To ensure a flexible installation, Raycore' s converter can be supplied with a fiber handling tray. Meanwhile, the converter can be installed in a 19" Chassis.

## Specifications

### Interface

- LAN
  - 10/100/1000Base-TX RJ-45 1 port
- WAN
  - Fiber Port: 1000Base-FX 1 port



# M E L B Y E

## Standard compliance

- Support IEEE 802.3 10BASE-T
- Support IEEE 802.3u 100BASE-TX
- Support IEEE 802.3ab 1000BASE-T
- Support IEEE 802.3z 1000BASE-X
- Support IEEE 802.3x Flow Control

## Hardware

- LED Indicators:
  - Power x1: Green LED
  - FX LINK/ACT x1: Green LED
  - LAN LINK/ACT x1: LINK/Light, ACT/Flash, Green LED
  - LAN Speed x1: Light Orange/Green/Off LED (1000M/100M/10M)
- Support Auto-negotiation in TP Port (10M/100M/1000M and Full/Half mode)
- Support Auto MDI/MDIX auto-crossover in TP ports
- Operate in store and forward mode
- Support Flow Control
- Support 1K MAC Address Table
- Support 9K bytes Jumbo frame
- Supports link fault pass through LFP function/control from hiding DIP switch (Default disable)

**RAYCORE**

Raycore is a fiber optic product brand name of Melbye Skandinavia AS. This Specification is subject to change without notice. Please visit our website [www.melbye.com.tw](http://www.melbye.com.tw) for most update information and specification. Copyright © 2012 Melbye Raycore Taiwan Co., Ltd. All rights reserved.



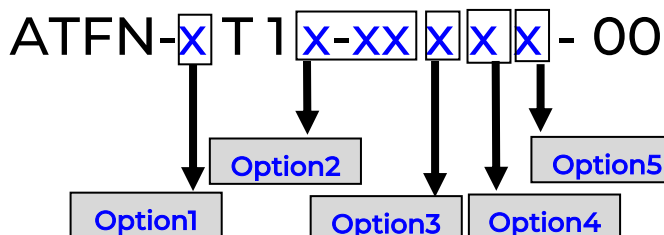
Environmental & Physical

- Installation: Desk Top/Wall Mounting/Magnet Wall Mounting
- Dimension: 115mm x73mm x23mm (LxWxH) (without fiber tray)  
198mm x 73mm x 35.6mm (LxWxH) (with fiber tray)
- Operating Temperature: 0 - 50°C
- Storage Temperature: 0 - 70°C
- Humidity: 20-80% non-condensing
- Power Consumption: < 3W
- Power Input: DC Jack, 12VDC/1A
- MTBF: 100,000 h (25°C)
- Compliance: RoHS
- Certification: FCC/CE

Ordering Information

| Part Number         | Description  |
|---------------------|--|
| ATFN- xT1x-xxxxx-00 | Non-Manageable Gigabit Fiber Media Converter,<br>10/100/1000Base-T to 1000Base-X |





Option1:

| Option Code | Option Descriptions      |
|-------------|--------------------------|
| A           | Transform White (type B) |
| C           | Transform Black (type B) |

Option2:

| Option Code | Option Descriptions                   |
|-------------|---------------------------------------|
| S-85        | 1X9 Dual SC, 850nm MMF 550m           |
| M-13        | 1X9 Dual SC, 1310nm SMF 20km          |
| D-13        | 1X9 Dual SC, 1310nm SMF 40km          |
| M-35        | 1X9 Bidi SC, T1310nm/R1550nm SMF 20km |
| M-53        | 1X9 Bidi SC, T1550nm/R1310nm SMF 20km |
| D-35        | 1X9 Bidi SC, T1310nm/R1550nm SMF 40km |
| D-53        | 1X9 Bidi SC, T1550nm/R1310nm SMF 40km |
| 0-00        | SFP Cage                              |

Option3:

| Option Code | Option Descriptions |
|-------------|---------------------|
| 1           | 1X9 Dual SC         |
| 4           | SFP Bidi SC         |
| 5           | SFP Bidi LC         |
| 6           | SFP Dual LC         |
| 9           | SFP Cage only       |



M E L  
B Y  
E

Option4:

| Option Code | Option Descriptions                         |
|-------------|---|
| 0           | Without Fiber Tray                          |
| 1           | With Fiber Tray                             |
| 2           | Without Fiber Tray, with Magnet Bracket     |
| 3           | Without Fiber Tray, with Wall Mount Bracket |

Option5:

| Option Code | Option Descriptions                          |
|-------------|--|
| 1           | 100-240V/50-60Hz, 12V/1A, US (Type A), Black |
| 2           | 100-240V/50-60Hz, 12V/1A, EU (Type C), White |

