Unmanaged Media Converter

GE-C351

GE-C351:

1000Base-T to 1000Base-LX Single Fiber Converter

Key Features

- WDM Technology Combine Two Fiber Cables into One Single Fiber
- Greatly Save the Installation Cost of Expensive Fiber Cable
- Standalone or Composite Applications
- Supports 1000 Mbps NWay switches and 1000 Mbps NICs
- RoHS Compliance

Overview

GE-C351 is a Gigabit Ethernet 1000Base-T to 1000Base-LX converter. It supports conversion of Gigabit Ethernet 1000Base-T signal to 1000Base-LX over a single fiber strand using an integrated Wavelength Division Multiplexer (WDM). The WDM technology employs passive optic multiplexing, thus multiplexs the transmit (TX) and receive (RX) lines onto a single fiber. It will save a half cabling cost by replacing regular dual fiber converter with GE-C351. A pair of GE-C351 of distinct wavelength, 1310nm and 1550nm, should be installed in pair, i.e., 1310 model at one end and 1550 model at the other. It transmits up to 20 km point to point over single mode fiber.

The GE-C351 can be used as a standalone unit or as a slide-in module to Ruby Tech CR-10XX series converter rack for use at a central wiring closet.

Technical Specifications

- **Standards:** IEEE802.3 1000Base-T,1000Base-LX
- **UTP Cable**: Cat. 5 cable up to 100m
- **Fiber Cable**:
  8.3/125, 8.7/125, 9/125 or 10/125μm single-mode up to 20Km
- **Data Transfer Rate:** Full Wire Data Transfer Rate: 148,8000 PPS (Packet Per Second) in 1000Mbps Speed
- **LED Indicators:**

LED	Color	Function
FX LNK	Green	Lit when fiber connection is good
FX FDX	Green	Lit when fiber full-duplex is active
TP LNK	Green	Lit when TP connection is good
TP FDX	Green	Lit when TP full-duplex is active
ACT	Green	Lit when any traffic is present
PWR	Green	Lit when +5V power is coming up

- **Power Requirement:** 2A@5VDC
- **Ambient Temperature:** 0 to 50°C
- **Humidity:** 5% to 90%
- **Dimensions :** 26.2 (H) x 70.3 (W) x 94 (D)mm
- **Weight:** 0.2kg
- **Certification:**
  Comply with FCC Part 15 Class A, CE Mark approval & UL

Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
530x512x345	40	24	25

Ordering Information

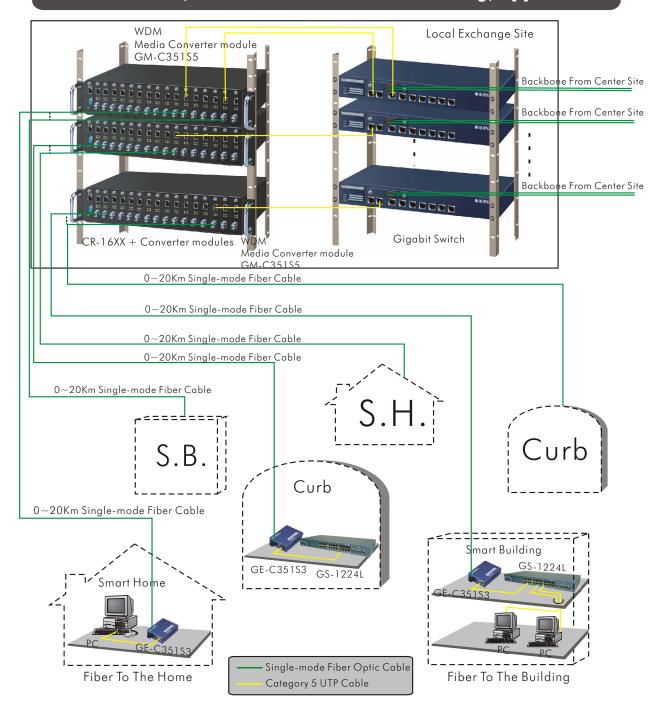|	
GE-C351BS3.S20	1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 20km, 1310nm
GE-C351BS5.S20	1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 20km, 1550nm
GE-C351BS3.S40	1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 40km, 1310nm
GE-C351BS5.S40	1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 40km, 1550nm
GE-C351BS3.S60	1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 60km, 1310nm

| GE-C351BS5.S60 | 1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 60km, 1550nm |

Note: The 1310nm and 1550nm models must be installed in pairs, i.e., install 1310nm model at one end and 1550nm model at the other one.

GE-C351 in FTTX(Fiber To The Home/Curb/Building) Applications

WDM
Media Converter module
GM-C351S5

Local Exchange Site

Backbone From Center Site

Backbone From Center Site

Backbone From Center Site

CR-16XX + Converter modules   WDM
Media Converter module
GM-C351S5

Gigabit Switch

0~20Km Single-mode Fiber Cable
0~20Km Single-mode Fiber Cable
0~20Km Single-mode Fiber Cable
0~20Km Single-mode Fiber Cable
0~20Km Single-mode Fiber Cable
0~20Km Single-mode Fiber Cable

S.B.

S.H.

Curb

Curb

Smart Building   GS-1224L
GE-C351S3

GE-C351S3   GS-1224L

PC   PC

Smart Home

PC   GE-C351S3

Fiber To The Home

Fiber To The Building

— Single-mode Fiber Optic Cable
— Category 5 UTP Cable

Left margin: **Unmanaged Media Converter**

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