Fibre media converter series

- **10/100Mbps Unmanaged Media Converter**
- **10/100Mbps managed Media Converter**
- **Gigabit Media Converter**
- **Fiber Media Converter Chassis**
- **FBSWITCH1000 Network Switch (Accesslink)**

10/100Mbps Unmanaged Media Converter

Single Mode/MultiMode, Single-Strand/Double-Strand,
ST/PC, SC/PC, FC/PC Optional, Up to 120Km Distance

Overview

With the rich experience in the past few years and fully assimilated with the product superiority of world-famous manufacturers, Fibridge develops a series of Fiber Media Converter which is high-performance, cost effective and flexible solutions for a wide range of applications in the field of LAN campus network, outside plant and MAN application.

Fibridge Media Converter series include double-strand and single-strand converters, as well as managed Media converter to meet your possible need.

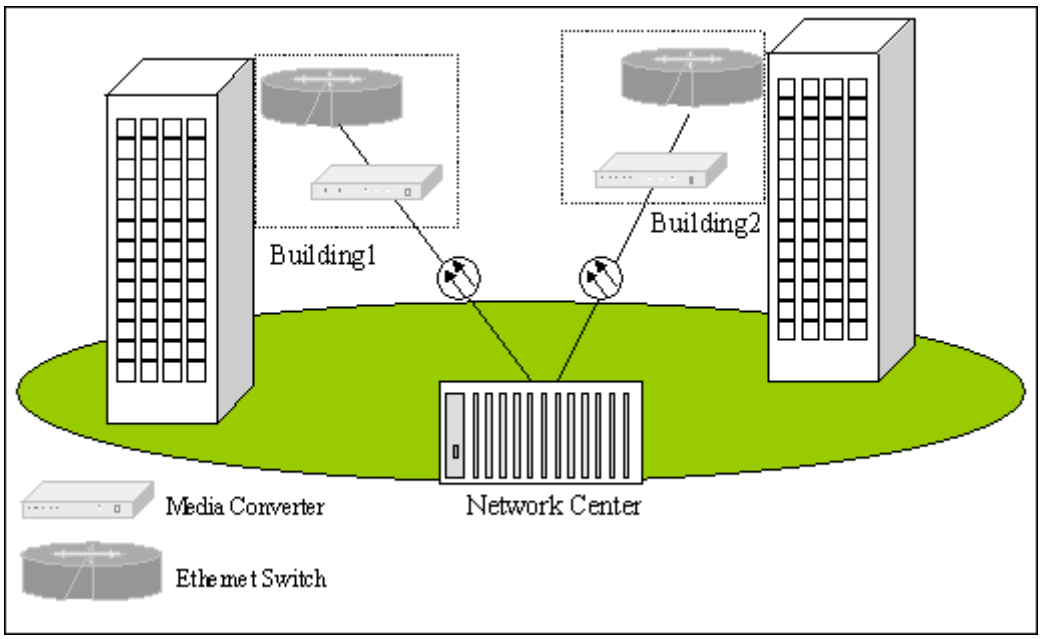
Features

- Fully compatible with IEEE 802.3, IEEE802.3u and IEEE802.3x
- Support 10Base-T, 100Base-TX, 100Base-FX
- Support 802.1q VLAN TAG, Spanning Tree transimitting transparently
- Up to 120Km distance
- High performance and auto sensing exchange chip, which have full functionality of transferring and exchanging, guarantee the safety and stability of data transfer.
- MDI/MDI-X auto-sensing
- CRC automatic fault checkout and correction
- Internal power supply
- Two types optional: standalone and Module

Specifications

- Optical Port
  Available for 1310nm and 1550nm Single mode, 850nm and 1310nm Multimode;
  Transfer Distance: up to 120Km;
  Connectors: SC/PC, ST/PC, FC/PC optional
  Fiber core: 8.3um, 8.7um, 9um and10um on single mode fiber, 50, 62.5 and 100um on multi-mode fiber
- Ethernet Port
  Standard: IEEE802.3, IEEE802.3u, IEEE802.3x
  Available speed: force 10 Mbps, force 100 Mbps and auto-detective 10/100Mbps
  Full-Duplex and Half-Duplex auto-negotiative
  Connectors: RJ-45 Connector;
  MDI/MDI-X connection auto-sensing

Application



Typical Order Information

F1-M32CA Multimode 1310nm, SC/PC, Standalone, 220VAC power supply

F1-M31CD Multimode 850nm, SC/PC, Standalone, -48VDC power supply

F1-S3042CA Singlemode 1310nm, 40Km, SC/PC, Standalone, 220VAC power supply

F1-S3082CA Singlemode 1310nm, 80Km, SC/PC, Standalone, 220VAC power supply

F1-S3042TM Singlemode 1310nm, 40Km, ST/PC, Module

F1-W3042CA Singlemode & singlestrand, TX-1310nm, 40Km, SC/PC, Standalone, 220VAC

F1-W3043CA Singlemode & singlestrand, TX-1550nm, 40Km, SC/PC, Standalone, 220VAC

F1-W3042CM Singlemode & singlestrand, TX-1310nm, 40Km, SC/PC, Module

F1-W3043CM Singlemode & singlestrand, TX-1550nm, 40Km, SC/PC, Module

For more order models, please contact us.

10/100Mbps managed Media Converter

SNMP/WEB/Console Management types, Bandwidth Control at step 32Kbps

Overview

Fibridge Managed Media Converter is a 10/100Base-TX auto negotiation and auto MDI/MDIX cable selection Fast Ethernet Media Converter with intelligent network management that translates transmission signals from a twisted-pair 10Base-T or 100Base-TX cable to 100Base-FX fiber optic cable. It enables network managers and network operators quickly isolate problems without visiting multiple wiring closets, avoiding expensive downtime. With its SNMP manager, user can monitor and configure the Copper Port and Optical Port of center chassis and remote standalone easily. Besides, user can control the bandwidth rate limiting as N*32Kbps.

Hardware Function

- Support 10Base-T, 100Base-TX, 100Base-FX
- Fully compatible with IEEE802.3, IEEE802.3u, IEEE802.3x standards
- Up to 5km distance on multi mode optical port and 120km distance on single mode optical port
- High-performance auto-negotiation chips make sure the data transfer with higher
- Security, stability and without block.
- Up to 1916 bytes package forwarded
- Support half/full duplex mode Auto-negotiate
- Low power consumption, low heat generation and excellent compatibility
- 10Watt professional communication power supply module inside the standalone.
- Chassis supports double redundant power supply modules and each power supply module
- Supports up to 100 Watt power output for the security and stability
- Support hot-swap for all the modules, but not including management module
- Single-strand/dual-strand optical module selectable, FC/SC/ST optical port slectable and standalone/16-slot chassis selectable

Software Function

- Support local and remote management
- Support Console, WEB and SNMP management
- Show details of system information, including chassis name, location information, IP address, start-up time, software and hardware version
- View & configure the working status of local chassis and remote standalone device, including connection status, speed, half/full duplex mode, port status
- Set the speed limitation from 0Mbps to 70Mbps by step of 32Kbps
- Support remote loop back function, three loop back position selectable. Help to find out the line fault conveniently
- Summarize the data flow information and show the communication state of each port

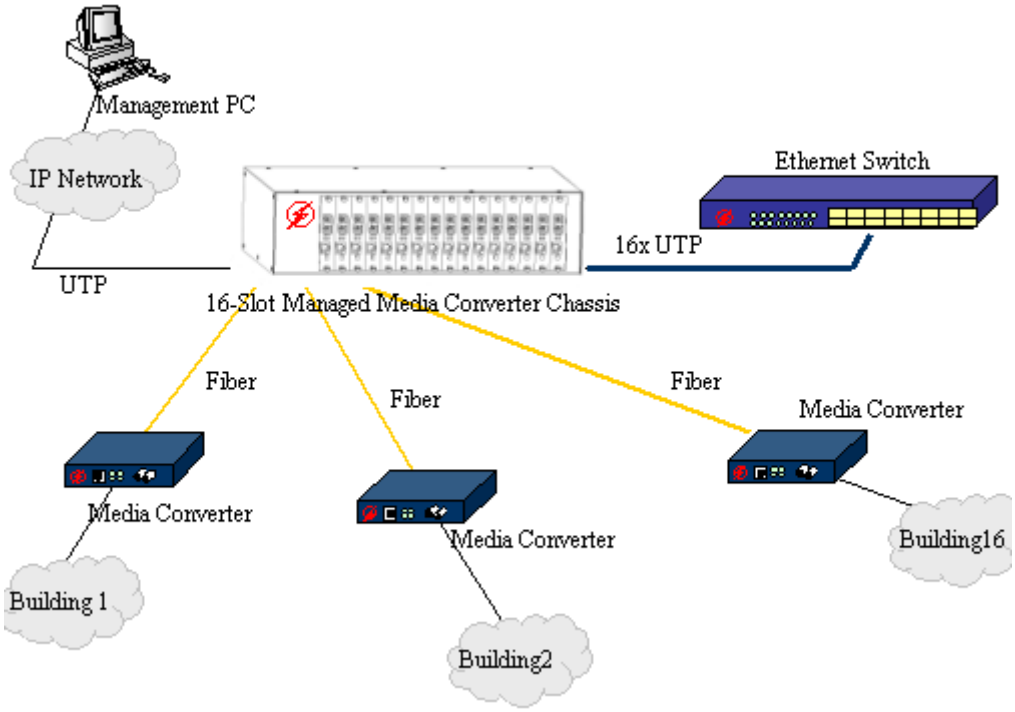
Support SNMP management. Set Trap Destination and Community Name, including the authority

- Reset the system or a single module or the remote end device via management software
- Reset chassis to factory default
- Support online firmware upgraded
- Show the detailed information of power supply, including AC/DC type and running status
- Provide MIB file, make it easy to be integrated into the third party SNMP management software
- Adopt the centralized management style and the tree-view catalogue, which can manage many sets of chassis at the same time in one single window. Meantime, it's very easy and clear to manage all devices even if many chassis in one window.

Specifications

- Device Size
  Standalone: 132mm (width)*36mm (depth)*122mm (height)
  19-inch Chassis: 440mm (width)*125mm(depth)*250mm(height)
- Power
  AC: 220VAC+-20%, 50/60Hz
  DC: -40~-57 VDC
  Power consumption: Standalone < 3W, Chassis full of modules < 50W

Typical Application



Typical Order Information

F2-M32CA Multimode 1310nm, SC/PC, Standalone, 220VAC power supply
F2-M31CD Multimode 850nm, SC/PC, Standalone, -48VDC power supply
F2-S3042CA Singlemode 1310nm, 40Km, SC/PC, Standalone, -48VDC power supply

F2-S3082CA Singlemode 1310nm, 80Km, SC/PC, Standalone, 220VAC power supply
F2-S3042TM Singlemode 1310nm, 40Km, ST/PC, Module
F2-W3042CA Singlemode & singlestrand, TX-1310nm, 40Km, SC/PC, Standalone, 220VAC
F2-W3043CA Singlemode & singlestrand, TX-1550nm, 40Km, SC/PC, Standalone, 220VAC
F2-W3042CM Singlemode & singlestrand, TX-1310nm, 40Km, SC/PC, Module
F2-W3043CM Singlemode & singlestrand, TX-1550nm, 40Km, SC/PC, Module

For more order models, please contact us.

Gigabit Media Converter

Support 1000Base-T, 1000Base-LX&1000Base-SX,
Multimode and single mode optional, double strand and single strand optional

Overview

FB-10/100MMC Series Media Converter is designed to meet the needs for massive fiber network deployment and able to extend a legacy copper based Ethernet network via fiber cable to a maximum distance up to 120Km. It is fully compliant with IEEE802.3z standards; built-in Switch ASIC has turned the device function more like a 2 ports switch than a traditional converter. User can get all switching benefits such like traffic segmentation, frames checking & error filtering.

The installation and operation procedures of the device are simple and straightforward. Operation status can be monitored through a set of Diagnostic LED located in the front panel.

Features

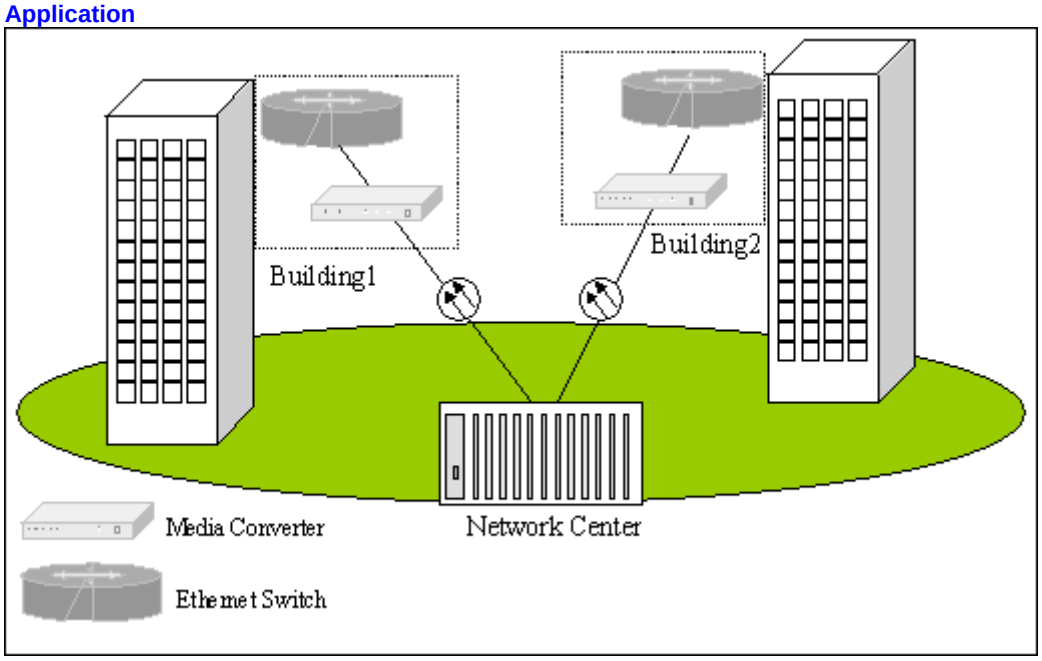
- Support 1000Base-T, 1000Base-LX&1000Base-SX
- Convert 1000bps Ethernet copper port to optical port
- Fiber type: Multimode and single mode optional, double strand and single strand optional
- Up to 80Km distance on single-mode fiber
- Allow transmitting and receiving VLAN data packet
- Two types optional: stand-alone unit and Modular Chassis
- Internal power supply, including AC220V or DC-48V

Specifications

- Ethernet Copper Port
  Data rate: 10M, 100M, 1000Mbps
  Auto-negotiate on Full/Half duplex topology
  Connectors: RJ-45 Connector
  Auto MDI/MDI-X
- Optical Port
  Support 1000Base-LX&1000Base-SX
  Connectors: SC/ST/FC single mode or Multimode
  Single Strand and Double Strand fiber port optional
  Single-mode wavelength: 1310nm and 1550nm
  Multimode wavelength: 850nm and 1310nm
  Single-mode wavelength: 1310nm and 1550nm
- Device Size
  Standalone : 110mm*140mm*40mm
  Chassis : 19inch*250mm*125mm
- Power
  Voltage: 100~240VAC or -48VDC
  Power Consumption: <3 Watts
- Environment
  Temperature: 0-50oC

Humidity: 0-90%(non-condensing)

Application



Typical Order Information

F1-M72CA Multimode, 1310nm, SC, standalone, 220VAC power supply

F1-M71CD Multimode, 850nm, SC, standalone, -48VDC power supply

F1-S4042CA Single mode, Distance: 40km, 1310nm, SC, standalone, 220VAC power supply

F1-S4042TM Single mode, Distance: 40km, 1310nm, ST, Module

For more order models, please contact us.

Fiber Media Converter Chassis

2.5U height,16 slots, 2 slide-in power supply modules

Overview

Fibridge Media Converter is a 10/100Base-TX Fast Ethernet Media Converter. It is auto negotiation and auto MDI/MDIX cable selection. It translates transmission signals from a twisted-pair 10Base-T or 100Base-TX cable to 100Base-FX fiber optic cable. The media converter is unmanaged/managed selectable. The 16-slot chassis expand the number of the ports and and be managed by the management system Fi-view-MC.

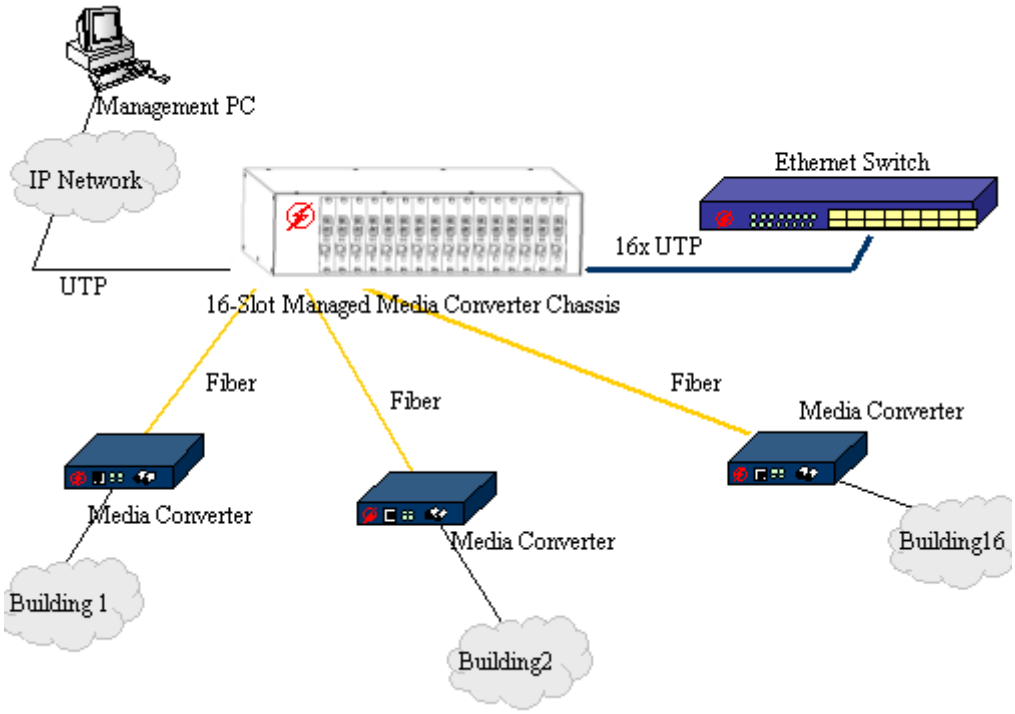
Main Features

- 2.5U height, up to 16 slots
- 2 slide-in power supply support redundant backup
- 4 fans and other good hot-cool-down design ensure the reliability of the chassis
- Compatible with managed media converter module and unmanaged one
- management card supports hot-swap plug
- Management card have one RS232 port for console management, and one RJ45 port for network management

Software Features

Pleases refer to this!

Typical Application



Order Information

FC-216 16-slot Fiber Media Converter Chassis

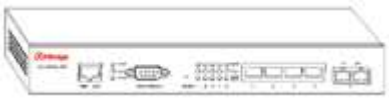
FC-216-M Management Card for FC-216

FP-2100A 100W 220VAC Power Supply Module for FC-216

FP-2100D 100W -48VDC Power Supply Module for FC-216

FBSWITCH1000 Network Switch (Accesslink)

5 ports network switch, 32Kbps step's bandwidth control, VLAN, i.e 4 copper ports MC



Overview

FBSWITCH1000 are orientated in the broadband access system for its high-quality, high-stability and low price. It can be used in the telecommunication IP MAN broadband optical network solution for its steady performance and powerful function. It interconnects a main board server, repeater, hub, switch, or PC and another PC simply. The device adopts the elaborately designed switch core, with high-speed non-blocking fabric and ultra-broad switch bandwidth, to make sure data transmission and reception has high stability. As an Ethernet access device, the device not only supports IEEE802.3 10Base-T Ethernet and IEEE802.3u 100Base-Tx fast Ethernet protocols, but also is compliant with IEEE 802.3x Flow Control, IEEE802.1Q VLAN TAG, IEEE802.1p Qos and IEEE802.1D Spanning Tree protocols. FBSWITCH1000 Series Network Switch provides four standard RJ45 jacks as 10/100Mbps Ethernet ports and one SC/FC/ST connector as fiber optic port, or five standard RJ45 jacks as 10/100Mbps Ethernet ports.

5-port Network Switch supports WEB management, SNMP software management and RS-232 console management. Customers conveniently view and configure all ports and management part via management software, including the function of enable/disable a certain port, setting the port force mode, link speed, duplex mode and ports speed limitation, and resetting the management part, all 5 Ethernet ports or both. Some functions, such as VLAN, port mirror and broadcast protection, are very convenient and useful for high-level application.

Hareware Features

- Four Twist-pair ports and one Fiber optic port(62114), and five Twist-pair ports(62105) available
- Support 10Base-T, 100Base-TX, 100Base-FX
- Fully compatible with IEEE802.3 Ethernet and IEEE802.3u fast Ethernet protocols
- Support IEEE802.3x flow control protocol and IEEE802.1D Spanning Tree protocol
- High-speed MAC address lookup table inside, stored up to 1K MAC addresses
- Non-blocking switch core provides high speed forward performance
- Up to 1916 Bytes packet forwarded
- Up to 5km transmission distance on multi mode optical port and 120km transmission distance on single mode optical port
- Twist-pair ports support MDI/MDI-X auto-crossover
- Low power consumption, low heat generation and excellent compatibility
- Single-strand/dual-strand optical module selectable, FC/SC/ST optical port selectable

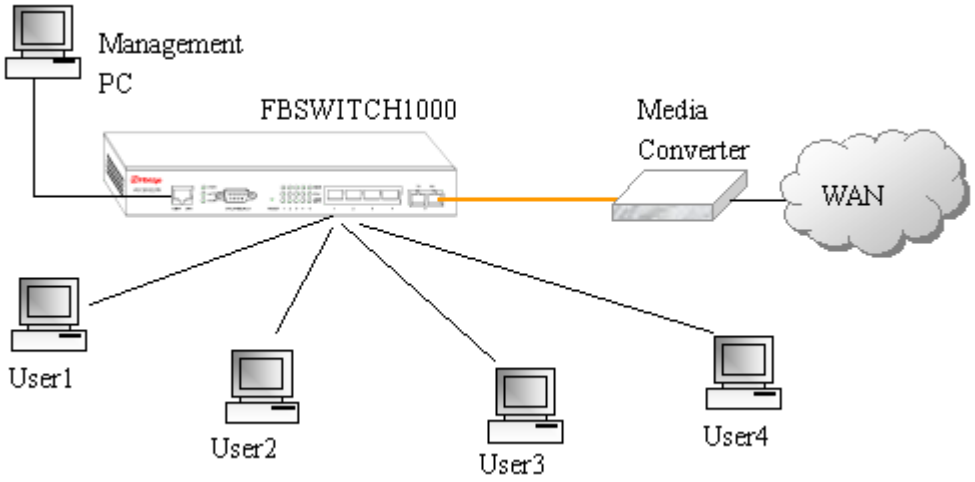
Software Features

- Support Console, WEB and SNMP management
- RS-232 DB9 female management port and 10/100Mbps RJ45 Ethernet management port available
- Show details of system information, including device name, location information, IP address, start-up time, software and hardware version
- View & configure the working status of each port, including link status, link speed, duplex mode, port shutdown status
- Set transmit and receive speed (bandwidth) limitation separately from 0Mbps to 100Mbps with

step of 32Kbps

- Provide port-based VLAN and 802.1Q VLAN configuration, and port-based priority and 802.1p priority setting
- Port mirroring function available
- Summarize the data flow information and show the communication state of each port
- Support SNMP management. Set Trap Destination, Community Name, and authority
- A float window available for real-time alarm messages. And all alarm messages can pop up to get more attention
- Reset the management part, all 5 Ethernet ports, or both via management software
- Reset device to factory default, with network configuration resetting or not selectable
- Show the detailed information of power supply, including AC/DC type, output power and running status
- Support firmware updating, with the update tool program and new version firmware file download from our website.
- Provide MIB file, make it easy to be integrated into the third-party SNMP management software
- Adopt the centralized management style and the tree-view catalogue, which can manage many sets of device at the same time in a single window.

Typical Application



Order Information

F6-2114 4 copper ports, 1 optical port network switch
F6-2105 5 copper ports network switch