

Vi5004

4 Channel Ethernet to Fiber Media Convertor

PRELIMINARY



Features

- Provides 4 channels in a single chassis for easy installation
- Convert network switch copper ports to fiber
- Simple method for increasing the capacity of network switches to provide additional fiber ports
- Single +12V power supply to simply installation
- Interfaces with all MSA compliant SFP most commonly installed fiber
- Transmits Jumbo Frames up to 9,600 bytes for handling the largest Megapixel cameras
- Extended temperature operation up to 0°C to +70°C
- Combine with Vi5000R for up to 16 channels rack mounting
- Combine with Vi3005 to create a 4 channel layer 2 fiber switch

Applications

- Upgrading analog fiber installations to IP without changing cables
- Solution for long distance high bandwidth requirements
- Expanding networks in industrial environment
- CCTV system for casinos, airports, school campuses, and many more

Vigtron's Vi5004 is a 4-port media convertor that enables Ethernet signals to be transmitted over fiber optic cables. It uses SFP fiber modules that results in compatibility with all major single and multimode fiber optics cables. When connected to the Vi5001 with appropriate power supply such as Vi0017, up to 30W PoE can be provided to the cameras.

The Vi5004 is an ideal solution for converting existing analog fiber infrastructures to IP systems. It provides a unique, reliable, and cost effective solution to meet a wide variety of application requirements.

The Vi5000R is a rackmount adapter that can fit up to four Vi5004s to provide a 16-port rackmount media converter.

Technical Specification*

Electrical

Ethernet	Standard 10/100BaseT, Auto-Negotiation, Auto MDI/MDI-X (x4)
Fiber Compatibility	Multimode Fiber Optical Cable: 50/125um Multimode Fiber Optical Cable: 62.5/125um Single Mode Fiber Optical Cable: 9/125um
Distance	Based on cable and SFP
Fiber Connection	LC based on SFP (x4)
Connectors	Fiber: SFP sockets compliant to MSA standards Ethernet: 4 x RJ45 Power: Detachable Terminal Block
Status LED	Power Ethernet: Link/Traffic, 10/100Mbps Fiber Active
Data Interfaces & Compliances	RFC 768 UDP, RFC 2068 HTTP RFC 793 TCP, RFC 791 IP RFC 1783 TFTP, RFC 894 IP over Ethernet RFC 2544 TCP/IP Packet Transmission
Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3af, IEEE 802.3at
Power	12VDC @ 0.7A

Regulatory

Safety	CE
Environmental	RoHS, WEEE

Environmental

Humidity	0 to 95%, non-condensing
Temperature	Operating: 0°C to +70°C Storage: -40°C to +85°C

Mechanical

Dimensions	1.65 x 2.69 x 4.08 in., 4.19 x 6.83 x 10.36 cm (HxWxL)
Weight	0.59lb (266g)
Housing	Extruded Aluminum

*Specifications subject to change without notice.

Ordering Information

Part No.	Description
Vi5004	4 Channel Fiber to Ethernet Convertor
Vi0012	12VDC @ 1 Amp Power Supply
Vi00850MM-H	Multimode Fiber Hardened SFP
Vi01310MM-H	Multimode Fiber Hardened SFP
Vi01310SM-H	Single mode Fiber Hardened SFP
Vi5000B	Blank Panel for Vi5000R
Vi5000R	Rack Mount adapter to Holds Up to (4) Vi5004s

Vigatron Related Models

Part No.	Description
Vi3010	10-port Managed PoE Network Switch
Vi3026	26-port Managed PoE Network Switch
Vi3326	26-port Managed Network Switch
Vi3005	5-port PoE Hardened Network Switch
Vi3305	5-port, 4-port Extended UTP Hardened Network Switch
Vi3405	5-port, 4-port Extended Coax Hardened Network Switch
Vi5001	Ethernet to Fiber PoE Convertor
Vi00850MM-H	Multimode Hardened Fiber SFP
Vi01310MM-H	Multimode Hardened Fiber SFP
Vi01310SM-H	Single mode Hardened Fiber SFP



TEL (+1) 858 - 484 - 5209 • FAX (+1) 858 - 484 - 1205

7810 Trade Street, Suite 100, San Diego, CA 92121, USA • support@vigatron.com • www.vigatron.com

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Application Diagrams

