

Vi01000CH SFP

1000Mbps RJ45 Copper SFP

Features

- Converts MSA compatible fiber sockets to copper
- RJ45 Ethernet port
- Up to 1.25Gb/s bi-directional data links
- Hot pluggable SFP footprint
- Extended case temperature range 0°C to +70°C
- Fully metallic enclosure for low EMI
- Low power dissipation (1.05W typical)
- Compact RJ45 connector assembly
- 1000Base-T operation in host systems



Applications

- Apply copper Ethernet ports to converting fiber switches to hybrid fiber/copper switches
- Provides 1G uplink in devices with only MSA fiber sockets
- 1.25Gbps transmission over Cat 5e or Cat 5

The Vi01000CH, is a copper Small Form Pluggable (SFP) transceiver meeting the IEEE standards of 802.3ab supporting up to 1000Mbps for transmission distances up to 328 feet (100 meters). The SFP conforms to MSA physical standards for use in any compatible socket and standardized port wiring configuration for carrying 250Mbps on each pair. The Vi01000CH easily converts network switch fiber ports and to Ethernet copper ports allowing the use of Cat 5e/Cat 6 for installations with Cat cabling already installed or less costly installation of Cat cables instead of fiber.



The Smart Choice for Transmission Solutions



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DSVi01000CH_0617

Technical Specification*

Electrical

Supply Voltage	3.3 Volts
Current	375ma
Signal Detect	TTL
Compatible With	MSA standards
Cable Type	Cat 5e / Cat 6
Transmission Speed	1.250Mbps
Transmission Distance	328 ft. (100m)

Ordering Information

PART No.	Description
Vi01000CH	1000Mbps MSA compatible RJ45 SPF

Mechanical

Dimensions	2.666 x 0.542 x 0.547 in; 67.73 x 13.78 x 13.90 mm (HxWxL)
Weight	0.049lb, 22g
Materials	Metal Alloy

Environmental

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

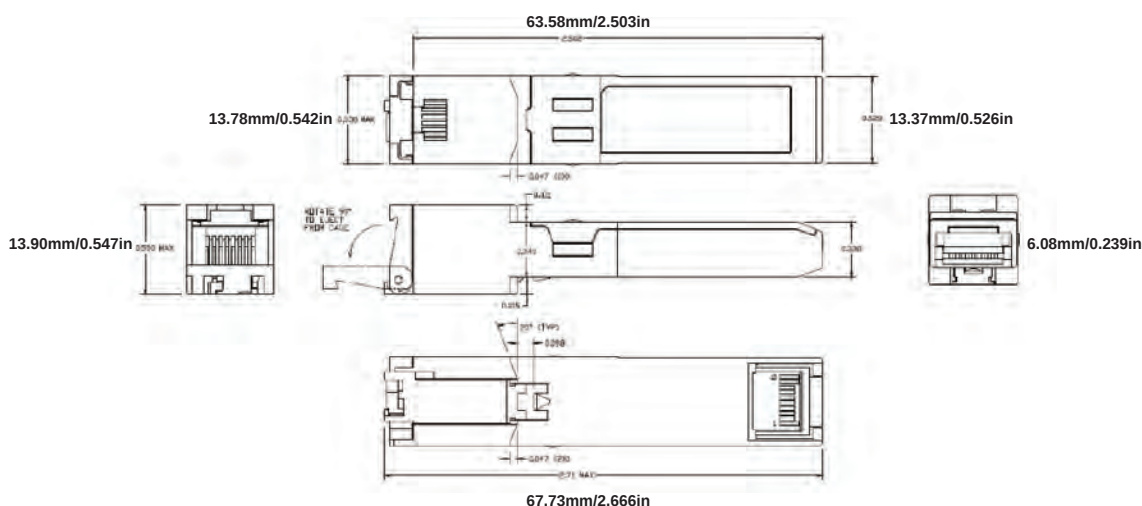
Regulatory

Safety	CE, FCC
Environmental	RoHS

Compatible Models

All networking products with compatible MSA standard sockets

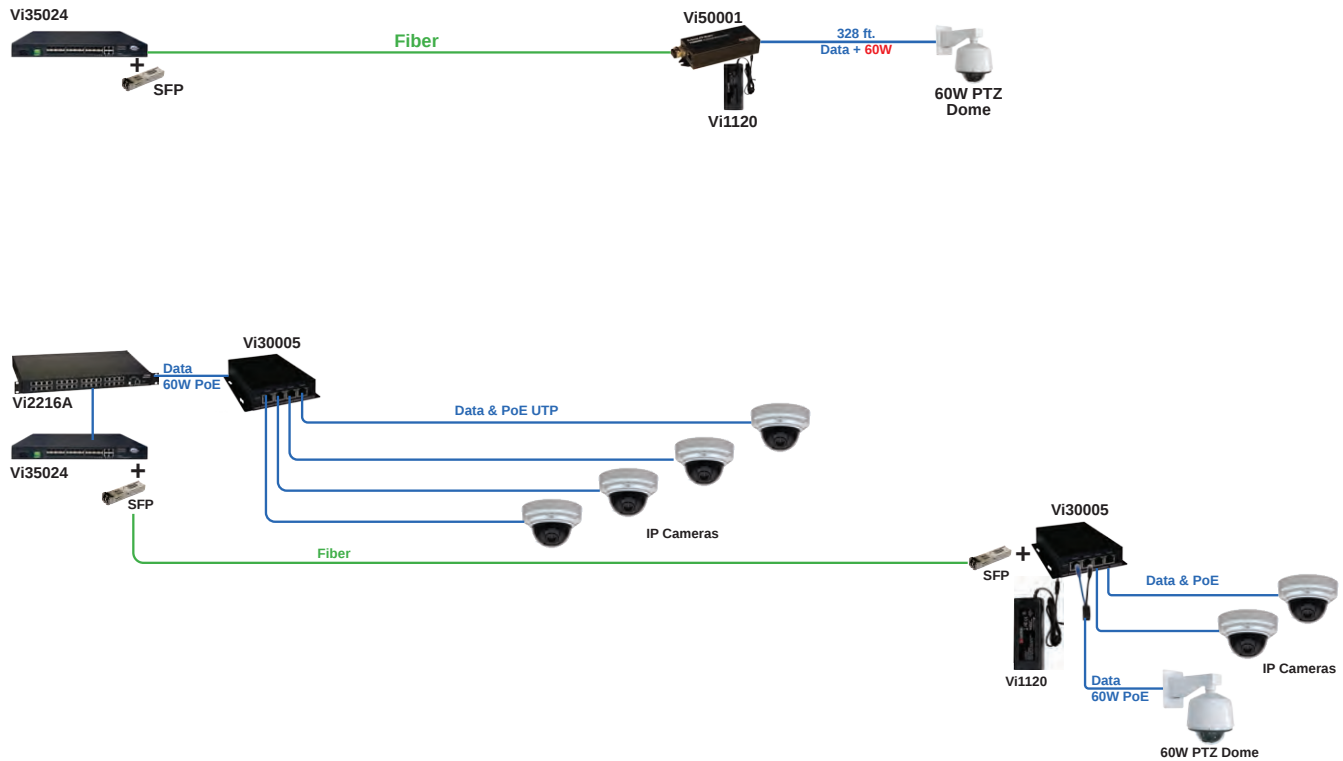
*Specifications subject to change without notice.



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Application Diagrams



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