



MC352-4P-2S-V2

4-Port Gigabit Ethernet to 2-Port SFP Industrial Media Converter

Overview

The IFS® 4-Port Gigabit Ethernet to 2-Port SFP Industrial Media Converter is designed for the most demanding IP network applications offering the flexibility of SFP technology and wide operating temperature range. The MC352-4P-2S-V2 model provides full IEEE802.3-at (30w) PoE and serves as a PSE device.

SFP Technology

This model converts 10/100/1000Base-T Ethernet on copper to 100Base-X or 1000Base-X fiber via Small Form-factor Pluggable (SFP) technology. The media converter can be custom configured to your exact system design specifications by utilizing a variety of IFS SFP Mini-GBIC modules. IFS SFP Mini-GBIC modules are available in a variety of versions from multi-mode or single mode fiber, 1 or 2 fibers and wide-temperature versions.

Flexible Drop-and-Repeat or Redundant Path Operation

These models support 2 SFP ports that can easily be configured for either drop-and-repeat or redundant path operation. In drop-and-repeat mode, the unit operates like a 6-port switch and can be used as a repeater with an electrical drop or simply as an optical repeater/extender. In redundant path mode, the unit will quickly switch to the second SFP port as a redundant path if the primary optical path experiences an optical cable failure. Also, if the primary destination port link is down, the module will forward the data packet to the redundant path providing a highly fault-tolerant solution for mission critical IP applications.



Détails

- 10/100/1000 Base-SX/BX/LX/LHX/ZX and 100 Base-FX/BX/LX
- 10/100/1000Base-T: 2-pair Cat. 5e/6 UTP cable, up to 100 meters
- Complies with IEEE 802.3at and is backwards compatible with IEEE802.3af
- Inserts 52VDC (30w) power on Category network cable
- 2 SFP slots provide for custom configuration
- Optical fiber and distance varies by SFP (ordered separately)
- Plug-n-play installation
- Slim IP30 metal enclosure
- DIN-rail or wall-mounting
- 12 to 56 VDC, redundant power with reverse-polarity protection
- Alarm relay output for port breakdown and power-failure alert
- Complies with IEC60068-2-xx standards for free-fall, shock and vibration
- Wide operating temperature range of -40°C ~ +75°C
- Protects non-PoE devices if accidentally connected

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Spécifications techniques

Général

Catégorie	Industriel
Type	Ethernet vers SFP
Débit du switch (Mpps)	8.93
Table MAC	4 K
Drop and repeat	Oui
Sortie relais défaut	Oui
Compatible avec le rack MCR	Non

Connexions

Nombre de ports	4
Vitesse du Port	Gigabit
Type de port	10/100/1000
Port fibre	2
Type de port fibre	SFP
Vitesse du port fibre	1000Base SX/BX/LX/LHX/ZX or 100Base FX/LX/BX
Prise en charge SFP	Série S20/S25, Série S30/S35
Distance de fibre	SFP dépendant
Connecteur fibre optique LC	
Longueur d'onde	SFP dépendant

Électrique

Tension de fonctionnement	12 to 56 VDC
Consommation électrique	135 W (Max)
PoE	Oui
PoE / PoE+	4 port PoE+ (802.3at)
Alimentation redondante	Oui

Caractéristiques physiques

Dimensions physiques	135 x 87 x 32 mm
Poids net	1.539 kg
Type de montage	Rail DIN, Fixation murale

Environnement

Température de fonctionnement	-40 to +75°C
Indice de protection	IP30

Ethernet

Data Rate	10/100/1000 Base-T
Throughput (packet per second)	1,488,000pps
Switch Architecture	Store-and-forward
Jumbo Packet Size	9K
Flow Control	Back Pressure for Half Duplex, Mode Pause for Full-Duplex Mode IEEE 802.3x
Connector	RJ-45 (Auto-MDI/MDI-X)
Cable Type and Distance	10Base-T: 2-pair UTP Cat. 3,4,5, up to 100 m (328 ft.) / 100Base-TX: 2-pair UTP Cat. 5e, up to 100 m (328 ft.) / 1000 Base-T: 4-pair UTP Cat. 5e, 6 up to 100m (328 ft.)

PoE Support

PoE Standard	IEEE 802.3af / 802.3at High Power over Ethernet / PSE
Power PIN Assignment	End-Span, (+) Pins 1 & 2; (-) Pins 3 & 6
Power Output per Port	52VDC 15.4 Watts or 52VDC 30 Watts
Connector	SFP (Mini-GBIC) port

LED Indicators & Controls

Power/Status	Green/On - power
10/100/1000Base-TX port	Green/On - active port (TX/RX), Amber/On - PoE in-use
SFP (Mini-GBIC) port link	Green/On - link established

Standards Compliance

IEEE	IEEE 802.3 10Base-T / IEEE 802.3u 100Base-TX / 100Base-FX / IEEE 802.3ab 1000Base-TX / IEEE 802.3z 1000Base-SX/LX/BX / IEEE 802.3x Flow Control and Back Pressure
EMI	EN 55022 CLASS A / EN61000-3-2:2006 / EN61000-3-3: 1995+1A:2001+A2:2005
EMS	EN 55024:1998+A1:2001+A2:2003 / IEC 61000-4-2:2001 / IEC 61000-4-3:2008 / IEC 61000-4-4:2004 / IEC 61000-4-5:2005 / IEC 61000-4-6:2008 / IEC 61000-4-8:2001

Accessories

PS48VDC240W-DIN

