



AVCOMM®

6003GX

Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



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Industrial Gigabit Managed Media Converter

6003GX

Industrial 3-port Full Gigabit Managed Media Converter, 2GT+1GSFP

6003GX/6003GX-PoE are industrial L2 smart managed media converter. 6003GX provides 3-port full gigabit Ethernet including 2-port Gigabit RJ45 and 1-port 100/1000BaseSFP. 6003GX-PoE provides 3-port full gigabit Ethernet including 2-port Gigabit RJ45(1*PoE) and 1-port 100/1000BaseSFP. Media Converter with lite management – SSH/TELNET. It support IEEE 802.3ah ethernet OAM, link fault pass-through, alarm contact (alarm relay) and PoE (IEEE802.3 af/at).



Features

- 10/100/1000BaseT port x2, 1 for Ethernet (PoE optional), 1 for management
- 100/1000Base SFP slot for SFP/GBIC module
- IEEE802.3 10Base-T, IEEE802.3u 100Base-Tx/Fx, IEEE 802.3ab 1000BASE-T Compliant
- 9K Jumbo frames
- 4K MAC forwarding addresses
- Management: CLI (Console, SSH, TELNET)
- IEEE 802.3ah Ethernet OAM
- Link Fault pass-through
- IP30, Fanless
- DIN-Rail & Wall mounting options

Ordering Information

Model Name	Description
6003GX	3-Port Managed Industrial media converter, 2 RJ45 Ports 10/100/1000Base-T(X), 1 SFP Slots 100/1000BaseSFP, DIN-Rail, Dual VDC power input 12-48VDC , -20°C~70°C
6003GX-PoE	3-Port Managed Industrial media converter, 2 RJ45 Ports (1* IEEE802.3 af/at PoE) 10/100/1000Base-T(X), 1 SFP Slots 100/1000BaseSFP, DIN-Rail, Dual VDC power input 54VDC, -20°C~70°C

Ethernet	
Operating mode	Store and forward L2 wire-speed/non-blocking switching engine
MAC addresses	4K
Jumbo frames	9K Bytes
Copper RJ45 Port	10/100/1000 Mbps speed auto-negotiation; MDI/MDIX Auto-crossover Optional: PoE IEEE 802.3 af/at (15W/30W)
Fiber Port	100/1000Base SFP slot for SFP/GBIC module (2k/10k/30k/40k ...etc)
Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure(Half Duplex)
QoS	IEEE 802.1p, 8 queues per port
Traffic Shaper	Port-based Port shaping
Storm Control	Multicast/Broadcast/Flooding Storm Control per system basis enable/disable
Management	
User interfaces	CLI in Console, SSHv2, TELNET
Diagnostic	IEEE 802.3ah Ethernet OAM
	Power off notification (Dying Gasp)
	Syslog function
	Optical power monitor
	Alarm Contact/Relay – Power Loss Alarm
Network Timing	NTP
Indicators	
Ethernet port indication	Link & Speed for 2 RJ-45 ports
Alarm LED	Link Down or Power Loss Alarm
Power Input LED	P1: Power LED, P2: Power LED
PoE LED (only PoE model)	PoE Power Output
Power	
Power input	Redundant power input; Reverse power protection
Input voltage range	12-48(54 for PoE) VDC
Environmental and Compliances	
Operating temperature	-20°C to +70°C
Storage temperature range	-20°C to +85°C
Humidity	5 to 95% RH (non-condensing)
Vibration, shock & freefall	IEC60068-2-6, -27, -32
Certification compliance	CE, FCC
EMC	IEC61000-4-2, -3, -4, -5, -6
RoHS and WEEE	RoHS (Pb free) and WEEE compliant
Mechanical	
Ingress protection	IP30
Dimension	100mm (H) x 26mm (W) x 115mm (D)
Weight	300g (PoE : 318g)
Installation option	DIN Rail / Wall mounting

Function interface

Power Connector

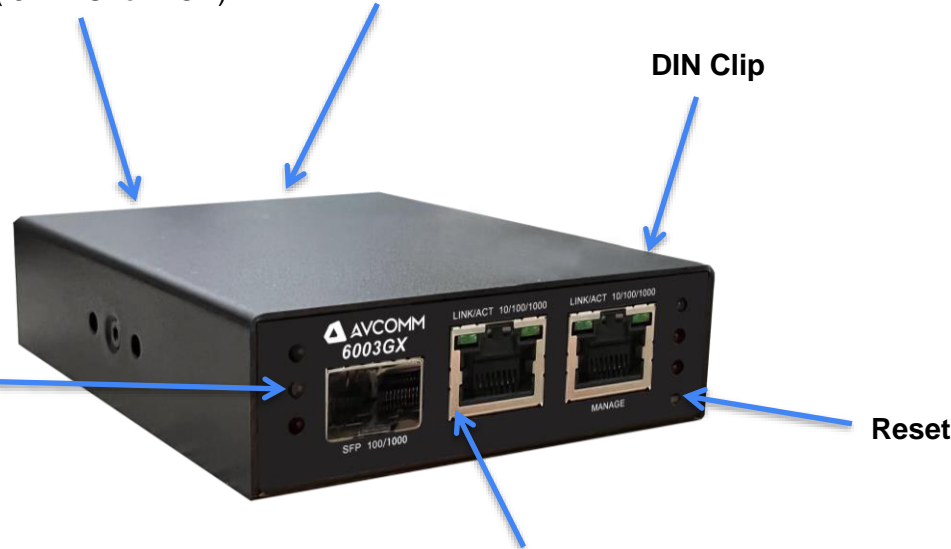
- Dual VDC power input
12-48VDC (54VDC for POE)

Console port

DIN Clip

System LED

- 2 x Power
- 2 X Link/Act
- 1 x Alarm
- 1 X POE
- 1 X OAM



3-port Full Gigabit Ethernet

- 2-port 10/100/1000M RJ45
- 1-port 100/1000M SFP

Installation dimensions

Unit: mm

