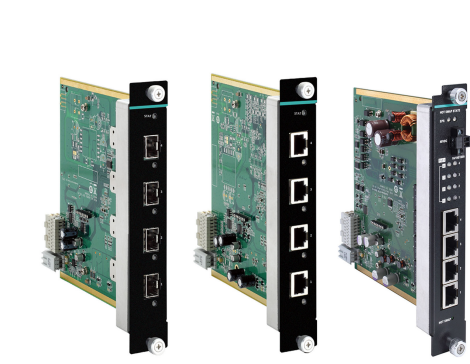


4G-port Gigabit Ethernet interface modules for ICS-G7700A/G7800A modular managed Ethernet switches



- Features and Benefits
- Full Gigabit Ethernet ports
  - IEEE 802.3af/at, PoE+ standards (PoE model)

## Introduction

The IM-G7000A Module Series includes 4G-port Ethernet interface modules designed for ICS-G7748A, ICS-G7750A, ICS-G7752A, ICS-G7848A, ICS-G7850A, and ICS-G7852A modular managed switches. In particular, the IM-G7000A-4PoEA module is a PoE-enabled interface module that centralizes the power supply and provides up to 36 watts of power per port, reducing the effort required to provide power to connected devices.

## Specifications

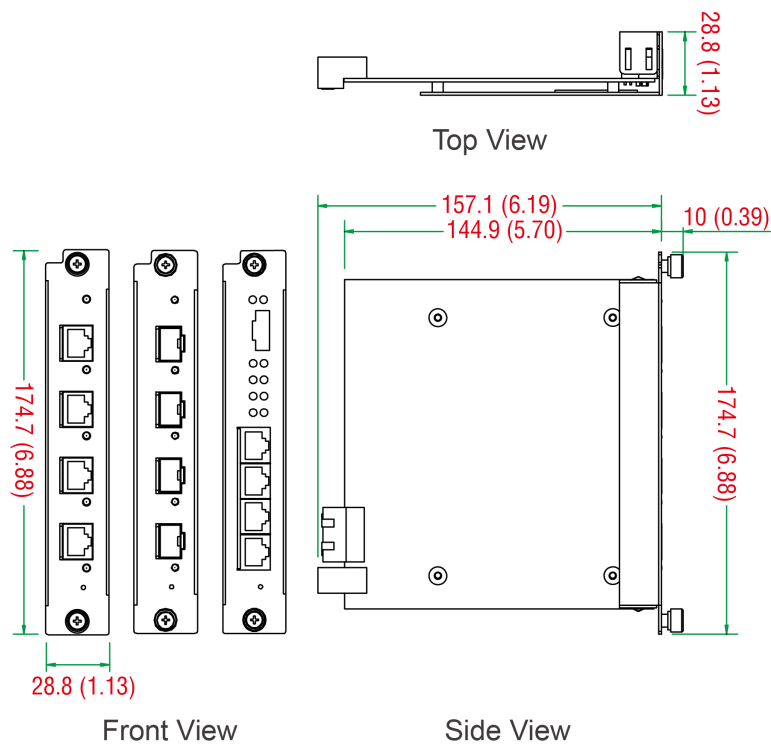
|                                                 |                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Ethernet Interface                              |                                                                                                                        |
| 10/100/1000BaseT(X) Ports (RJ45 connector)      | IM-G7000A-4GTX: 4<br>IM-G7000A-4GTX: Auto negotiation speed<br>Full/Half duplex mode<br>Auto MDI/MDI-X connection      |
| 100/1000BaseSFP Ports                           | IM-G7000A-4GSFP: 4                                                                                                     |
| PoE Ports (10/100/1000BaseT(X), RJ45 connector) | IM-G7000A-4PoE: 4, Compliant with IEEE 802.3af/at high power mode up to 36 W<br>IM-G7000A-4PoE: Auto negotiation speed |
| LED Interface                                   |                                                                                                                        |
| LED Indicators                                  | State, Hot-swap, 10/100/1000 for TP port, 100/1000 for fiber port, PoE and EPS for PoE module                          |
| Power Parameters                                |                                                                                                                        |
| Power Consumption                               | IM-G7000A-4GSFP: 1.32 W (max.)<br>IM-G7000A-4GTX: 3.47 W (max.)<br>IM-G7000A-4PoE: 5.14 W (max.)                       |
| Physical Characteristics                        |                                                                                                                        |
| Dimensions                                      | 28.8 x 174.7 x 166.8 mm (1.13 x 6.88 x 6.57 in)                                                                        |
| Weight                                          | 220 g (0.49 lb)                                                                                                        |

## MTBF

|                  |                                                                                                |
|------------------|------------------------------------------------------------------------------------------------|
| Time             | IM-G7000A-4GTX: 1,569,520 hrs<br>IM-G7000A-4GSFP: 1,544,084 hrs<br>IM-G7000A-4PoE: 394,348 hrs |
| Standards        | Telcordia (Bellcore), GB                                                                       |
| Warranty         |                                                                                                |
| Warranty Period  | 5 years                                                                                        |
| Details          | See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>                           |
| Package Contents |                                                                                                |
| Device           | 1 x IM-G7000A Series module                                                                    |
| Documentation    | 1 x warranty card                                                                              |

## Dimensions

Unit: mm (inch)



## Ordering Information

| Model Name      | 10/100/1000BaseT(X) Ports<br>RJ45 Connector | 100/1000Base SFP Slots | PoE Ports<br>10/100/1000BaseT(X), RJ45<br>Connector | Operating Temp. |
|-----------------|---------------------------------------------|------------------------|-----------------------------------------------------|-----------------|
| IM-G7000A-4GTX  | 4                                           | –                      | –                                                   | -10 to 60°C     |
| IM-G7000A-4GSFP | –                                           | 4                      | –                                                   | -10 to 60°C     |
| IM-G7000A-4PoE  | –                                           | –                      | 4                                                   | -10 to 60°C     |

## Accessories (sold separately)

### SFP Modules

|                 |                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| SFP-1FELLC-T    | SFP module with 1 100Base single-mode with LC connector for 80 km transmission, -40 to 85°C operating temperature                                      |
| SFP-1FEMLC-T    | SFP module with 1 100Base multi-mode with LC connector for 4 km transmission, -40 to 85°C operating temperature                                        |
| SFP-1FESLC-T    | SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to 85°C operating temperature                                      |
| SFP-1G10ALC     | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature   |
| SFP-1G10ALC-T   | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature |
| SFP-1G10BLC     | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature   |
| SFP-1G10BLC-T   | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature |
| SFP-1G20ALC     | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature   |
| SFP-1G20ALC-T   | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature |
| SFP-1G20BLC     | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature   |
| SFP-1G20BLC-T   | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature |
| SFP-1G40ALC     | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature   |
| SFP-1G40ALC-T   | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature |
| SFP-1G40BLC     | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature   |
| SFP-1G40BLC-T   | WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature |
| SFP-1GEZXLC     | SFP module with 1 1000BaseEZXC port with LC connector for 110 km transmission, 0 to 60°C operating temperature                                         |
| SFP-1GEZXLC-120 | SFP module with 1 1000BaseEZXC port with LC connector for 120 km transmission, 0 to 60°C operating temperature                                         |
| SFP-1GLHLC      | SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, 0 to 60°C operating temperature                                            |
| SFP-1GLHLC-T    | SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, -40 to 85°C operating temperature                                          |
| SFP-1GLHLC      | SFP module with 1 1000BaseLH port with LC connector for 40 km transmission, 0 to 60°C operating temperature                                            |
| SFP-1GLHLC-T    | SFP module with 1 1000BaseLH port with LC connector for 40 km transmission, -40 to 85°C operating temperature                                          |
| SFP-1GLSXC      | SFP module with 1 1000BaseLSX port with LC connector for 500 m transmission, 0 to 60°C operating temperature                                           |
| SFP-1GLSXC-T    | SFP module with 1 1000BaseLSX port with LC connector for 500 m transmission, -40 to 85°C operating temperature                                         |
| SFP-1GLXC       | SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60°C operating temperature                                            |
| SFP-1GLXC-T     | SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, -40 to 85°C operating temperature                                          |
| SFP-1GSXC       | SFP module with 1 1000BaseSX port with LC connector for 300/550 m transmission, 0 to 60°C operating temperature                                        |

|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| SFP-1GSXLC-T   | SFP module with 1 1000BaseSX port with LC connector for 300/550 m transmission, -40 to 85°C operating temperature |
| SFP-1GZXLC     | SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, 0 to 60°C operating temperature       |
| SFP-1GZXLC-T   | SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, -40 to 85°C operating temperature     |
| SFP-1GTXRJ45-T | SFP module with 1 1000BaseT port with RJ45 connector for 100 m transmission, -40 to 75°C operating temperature    |

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