

# IMC-101Gシリーズ

## 産業用ギガビットイーサネット - ファイバメディアコンバータ



### 機能とメリット

- 10/100/1000BaseT(X)および1000BaseSFPスロットをサポート
- リンクフォルトパススルー (LFPT)
- リレー出力による電源障害、ポート切断アラーム
- 冗長電源入力
- -40～75°Cの動作温度範囲 (-Tモデル)
- 危険な場所向けに設計 (Class 1 Div. 2/Zone 2、IECEx)
- 20を超えるオプションが利用可能<sup>1</sup>

### 認証



### 製品紹介

IMC-101G産業用SFPモジュール対応ギガビットメディアコンバータは、過酷な産業環境において信頼性が高く安定した10/100/1000BaseT(X) - 1000BaseSX/LX/LHX/ZXメディア変換を提供するように設計されています。IMC-101Gは産業用に設計されており、産業オートメーションアプリケーションを継続的に実行し続けるのに優れています。また、各IMC-101Gコンバータには、損傷や損失を防ぐのに役立つリレー出力警告アラームが付属しています。すべてのIMC-101Gモデルは100%バーンインテストを受けており、0～60°Cの標準動作温度範囲と-40～75°Cの広動作温度範囲をサポートしています。

### 仕様

#### Ethernet Interface

|                                            |                   |
|--------------------------------------------|-------------------|
| 10/100/1000BaseT(X) Ports (RJ45 connector) | 1                 |
| 1000 Mbps fiber (SFP connector)            | 1                 |
| Magnetic Isolation Protection              | 1.5 kV (built-in) |

#### Power Parameters

|                             |                       |
|-----------------------------|-----------------------|
| Input Current               | 200 mA @ 12 to 45 VDC |
| Input Voltage               | 12 to 45 VDC          |
| Overload Current Protection | Supported             |
| Power Connector             | Terminal block        |
| Power Consumption           | 200 mA @ 12 to 45 VDC |

#### Physical Characteristics

|              |                                             |
|--------------|---------------------------------------------|
| Housing      | Metal                                       |
| Dimensions   | 53.6 x 135 x 105 mm (2.11 x 5.31 x 4.13 in) |
| Weight       | 630 g (1.39 lb)                             |
| Installation | DIN-rail mounting                           |

1. 詳細については、SFP-1Gシリーズのデータシートを参照。

## Environmental Limits

|                                        |                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------|
| Operating Temperature                  | Standard Models: 0 to 60°C (32 to 140°F)<br>Wide Temp. Models: -40 to 75°C (-40 to 167°F) |
| Storage Temperature (package included) | -40 to 85°C (-40 to 185°F)                                                                |
| Ambient Relative Humidity              | 5 to 95% (non-condensing)                                                                 |

## Standards and Certifications

|                       |                                                                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC                   | EN 55032/24                                                                                                                                                                                                                                                                                       |
| EMI                   | CISPR 32, FCC Part 15B Class A                                                                                                                                                                                                                                                                    |
| EMS                   | IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV<br>IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m<br>IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV<br>IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV<br>IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m<br>IEC 61000-4-8 PFMF<br>IEC 61000-4-11 |
| Environmental Testing | IEC 60068-2-1<br>IEC 60068-2-2<br>IEC 60068-2-3                                                                                                                                                                                                                                                   |
| Safety                | EN 60950-1, UL 60950-1                                                                                                                                                                                                                                                                            |
| Vibration             | IEC 60068-2-6                                                                                                                                                                                                                                                                                     |
| Hazardous Locations   | Standard models: UL/cUL Class I Division 2 Groups A/B/C/D<br>-IEX models: UL/cUL Class I Division 2 Groups A/B/C/D, ATEX Zone 2, IECEx                                                                                                                                                            |

## MTBF

|           |                          |
|-----------|--------------------------|
| Time      | 500,540 hrs              |
| Standards | Telcordia (Bellcore), GB |

## Warranty

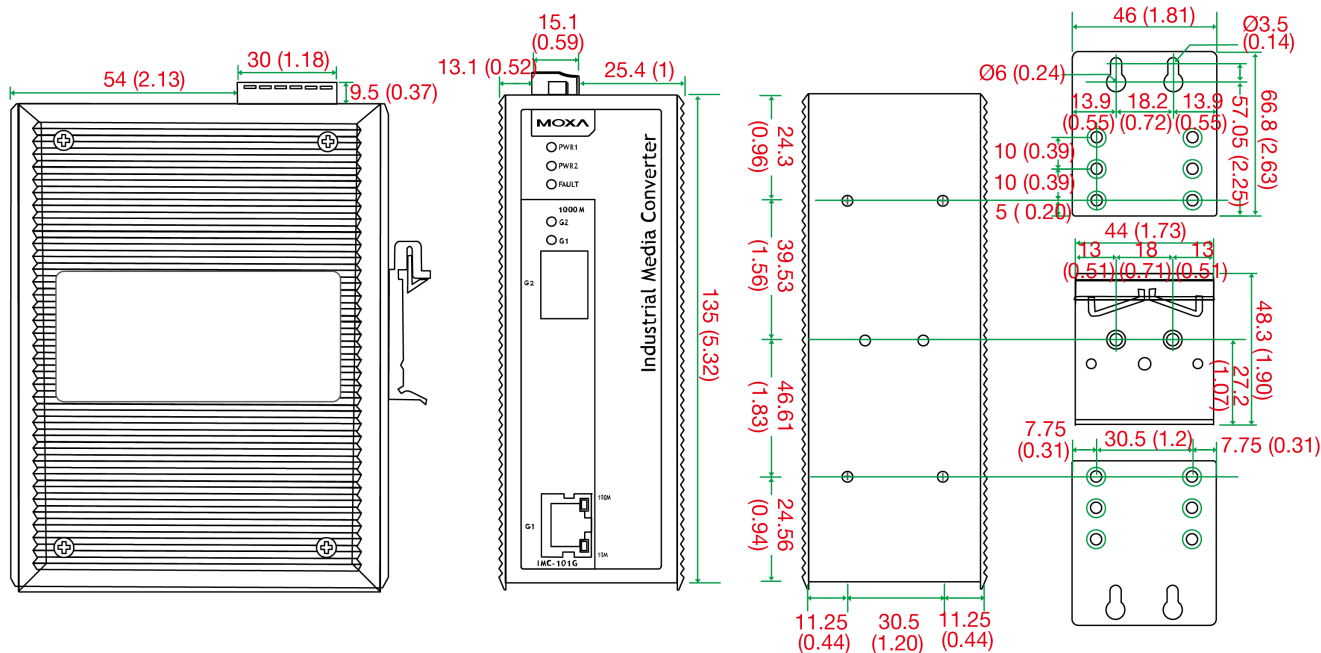
|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Warranty Period | 5 years                                                                    |
| Details         | See <a href="http://www.moxa.com/jp/warranty">www.moxa.com/jp/warranty</a> |

## Package Contents

|               |                                                   |
|---------------|---------------------------------------------------|
| Device        | 1 x IMC-101G Series converter                     |
| Documentation | 1 x quick installation guide<br>1 x warranty card |

## 寸法

単位：mm（インチ）



側面図

前面図

背面図

パネル取り付けキット

## 注文情報

| Model Name     | Operating Temp. | IECEx Supported |
|----------------|-----------------|-----------------|
| IMC-101G       | 0 to 60°C       | -               |
| IMC-101G-T     | -40 to 75°C     | -               |
| IMC-101G-IEC   | 0 to 60°C       | P               |
| IMC-101G-T-IEC | -40 to 75°C     | P               |

## アクセサリ（別売）

### SFP Modules

|               |                                                                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 1000BaseEZX port with LC connector for 110 km transmission, 0 to 60°C operating temperature                                          |
| SFP-1GEZXLC-120 | SFP module with 1 1000BaseEZX 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-1GLHXL      | SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60°C operating temperature                                           |
| SFP-1GLHXL-T    | SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, -40 to 85°C operating temperature                                         |
| SFP-1GSXLC      | 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-1GLSXL      | SFP module with 1 1000BaseLSX port with LC connector for 500 m transmission, 0 to 60°C operating temperature                                           |
| SFP-1GLSXL-T    | SFP module with 1 1000BaseLSX port with LC connector for 500 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-1GLXLC      | SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60°C operating temperature                                            |
| SFP-1GLXLC-T    | SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, -40 to 85°C operating temperature                                          |

### Rack-Mounting Kits

|       |                           |
|-------|---------------------------|
| RK-4U | 19-inch rack-mounting kit |
|-------|---------------------------|

### Wall-Mounting Kits

|       |                                                           |
|-------|-----------------------------------------------------------|
| WK-46 | Wall-mounting kit, 2 plates, 8 screws, 46.5 x 66.8 x 1 mm |
|-------|-----------------------------------------------------------|

### Power Supplies

|           |                                                                                                                                                                   |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DR-75-24  | 75W/3.2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 60°C operating temperature                                     |
| DR-120-24 | 120W/2.5A DIN-rail 24 VDC power supply with universal 88 to 132 VAC or 176 to 264 VAC input by switch, or 248 to 370 VDC input, -10 to 60°C operating temperature |
| DR-4524   | 45W/2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 50°C operating temperature                                       |

© Moxa Inc. All rights reserved. 2020年4月14日更新。

Moxa Inc.の明白な許可を画面で取得しない限り、本書およびその一部の複製や使用はいかなる方法やいかなる場合でも許可されません。製品の仕様は予告なく変更されることがあります。最新の製品情報については当社のWebサイトをご覧ください。