

# IEC1212X-S

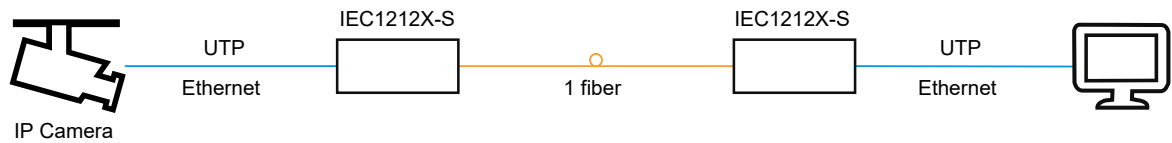
Mini-Type 10/100/1000M/2.5G/5G/10GBase-TX to 1.25G/2.5G/5G/10GBase-SFP Plus Ethernet Media Converter, Auto-Negotiation

## Features

- ▶ Unit and Port LEDs allow for quick status information
- ▶ Auto-Negotiation
- ▶ Fixed Full-Duplex on fiber
- ▶ Auto-MDI/MDIX
- ▶ Automatic Link Restoration
- ▶ Eliminate Collision Domains
- ▶ 10/100/1000M/2.5G/5G/10GBase-TX UTP to 1.25G/2.5G/5G/10GBase-SFP+ fiber media conversion
- ▶ Supports up to 10K Bytes Jumbo Frame
- ▶ DIP switch to set different configurations
- ▶ LFP (Link Fault Pass-through) support
- ▶ Compact package size



## Typical Application



## Specifications

|                  |                                                                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards        | IEEE802.3i<br>IEEE802.3u<br>IEEE802.3ab<br>IEEE802.3z<br>IEEE802.3bz<br>IEEE802.3an<br>IEEE802.3ae                                                                                                                                |
| Jumbo Frame      | 16K                                                                                                                                                                                                                               |
| Data Rate        | 10/100/1000M/2.5G/5G/10Gbps                                                                                                                                                                                                       |
| Port Type        | 1 × 10/100/1000M/2.5G/5G/10G RJ45 to 1 × 1.25G/2.5G/5G /10G SFP/SFP+fiber                                                                                                                                                         |
| Status LEDs      | PWR (Power) below RJ-45: On = Power<br>FX-Link/Act (Fiber Link / Activity) Upper Left on<br>RJ-45: On = link, Flashing = Activity<br>TX-Link/Act (Copper Link / Activity) Upper Right on<br>RJ-45: On = link, Flashing = Activity |
| Dimensions       | 60 × 90 × 20 mm                                                                                                                                                                                                                   |
| Case Material    | Metal                                                                                                                                                                                                                             |
| Power consume    | 5W Max.                                                                                                                                                                                                                           |
| Power Supply     | DC 5~12V                                                                                                                                                                                                                          |
| Cooling          | Free air convection                                                                                                                                                                                                               |
| Conversion means | Store and Forward mode                                                                                                                                                                                                            |
| Flow control     | Full duplex: flow control;                                                                                                                                                                                                        |



|             |                                                                                                                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dip Switch  | #1 LFP (Link Fault Pass Through) ON/OFF;<br>#2 ALS (Only for SFP) ON/OFF;<br>#3 FX Speed Setting (ON/OFF: TX=10G, SFP=10G; TX=10/100/1000M, SFP=1G)<br>#4 FX Speed Setting (ON/OFF: TX=10/100/1000M/10G, SFP=10G); |
| Environment | Operating: 0°C to 50°C (32°F to 122°F)<br>Storage: -20°C to 70°C (-4°F to 158°F)<br>Humidity: 5% to 95% (non-condensing)                                                                                           |
| Weight      | 0.15 kg                                                                                                                                                                                                            |

Regulatory Approvals (Pending)

FCC Part 15 Subpart B  
RoHs  
EN 55022:2010  
EN 61000-3-2:2006+A1:2009+A2:2009  
EN 61000-3-3:2013  
EN 55024:2010

Ordering Information

| Available Model | Description                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
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Optional Accessories (to be purchased separately)

|               |                                                                             |
|---------------|-----------------------------------------------------------------------------|
| SFP           | (S)=SFP Option. Please select your SFP on our SFP Modules page for details. |
| MR-C12 Series | 1U 19 inch Rack for mini-type product mountable up to 12 slots              |

Package Checklist

|                                    |     |
|------------------------------------|-----|
| ■ Gigabit Ethernet Media Converter | x 1 |
| ■ 1A 12VDC power adapter           | x 1 |
| ■ Quick Installation Guide         | x 1 |

