

## RP-IMC601 series

### 10/100Base-TX to 100Base-FX Industrial Media Converter

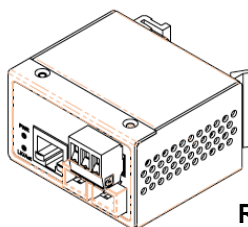
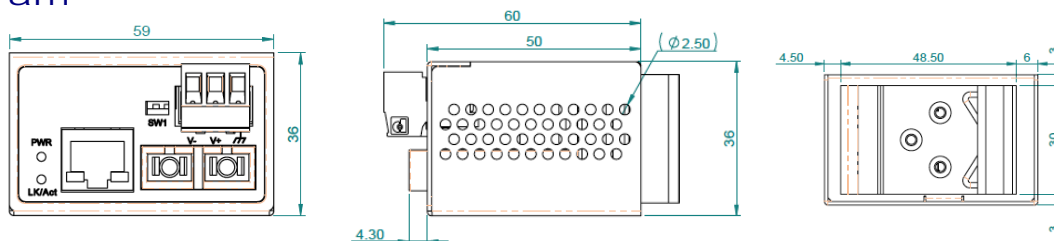
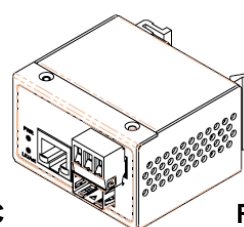
The mini Industrial media converter is designed for critical but space-limited outdoor CAM enclosure. It can be powered by a wide range of VAC, VDC or external DC power adapter, it supports 18V-36VAC/12V-56VDC/ or DC Jack socket. With its multi-purpose design, it can also be used for Din-Rail or wall-mounted. It is an ideal unit for IP surveillance, traffic monitoring and Security application in critical environment. It can tolerate -40°C to 75°C in harsh environment to perform a reliable network.



## Features

- Supports 18V-36VAC/12V-56VDC or DC Jack socket
- Supports Link Fault Pass through (LFP) function
- Supports switch model and converter mode.
- Surge protection diodes on power input.
- ESD protection diodes on RJ-45 port
- Provides Far End Fault function on FX port.
- Provides increased Noise Immunity
- Extended environmental specification -40°C to 75°C
- True Mini, rugged design enclosure 58x36x49mm (LxWxD)

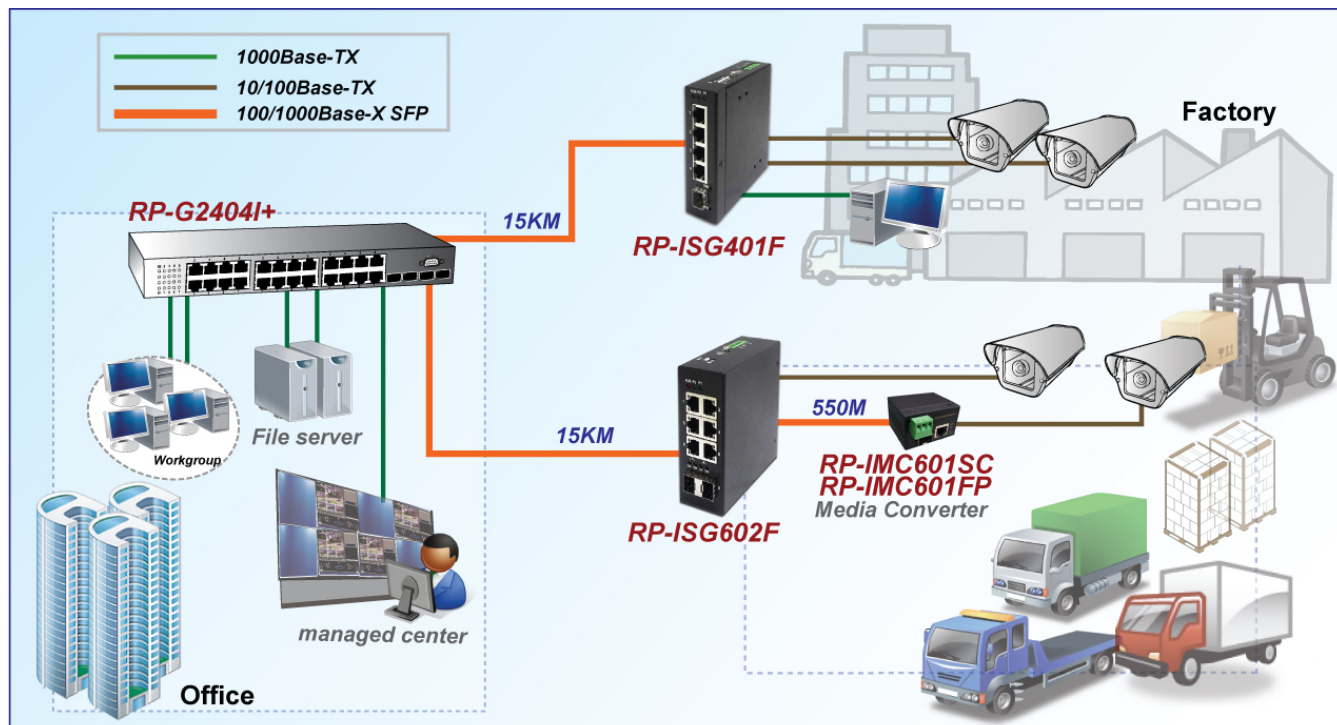
## Diagram

**RP-IMC601SC****RP-IMC601FP**

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u 100Base-TX Fast Ethernet</li> <li>• IEEE 802.3u 100Base-FX Fast Ethernet</li> <li>• IEEE802.3x Flow Control and Back Pressure</li> </ul>
<b>Data Processing</b>	<ul style="list-style-type: none"> <li>• Store and Forward</li> </ul>
<b>Flow Control</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3x Flow Control and Back Pressure</li> </ul>
<b>Architecture</b>	<ul style="list-style-type: none"> <li>• Full wire speed conversion,</li> <li>• Transparent conversion to 802.1Q VLAN tagged packets.</li> </ul>
<b>MAC Table Size</b>	<ul style="list-style-type: none"> <li>• 1K</li> </ul>
<b>Packet Buffer Size</b>	<ul style="list-style-type: none"> <li>• 1Mbits</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 1 RJ-45 port: 10/100M Base-T(X) Auto negotiation, Auto MDI/MDI-X function, Full/Half duplex</li> <li>• 1 Fiber port: <ul style="list-style-type: none"> <li>- 100BaseFX MM/SC up to 2km (RP-IMC601SC)</li> <li>- 100BaseFX SM/SC up to 30km (RP-IMC601C30)</li> <li>- 100BaseX SFP slot (RP-IMC601FP)</li> </ul> </li> </ul>
<b>LED indicators</b>	<ul style="list-style-type: none"> <li>• Power, Speed, Link/Act</li> <li>• Speed (TP port)</li> <li>• Link/Act (TP and Fiber port)</li> </ul>
<b>DIP Switch</b>	<ul style="list-style-type: none"> <li>• Link Fault Pass Through (LFP)</li> <li>• Converter Mode, Switch Mode</li> </ul>
<b>Power protection</b>	<ul style="list-style-type: none"> <li>• Surge protection diodes on power input</li> </ul>
<b>Connector protection</b>	<ul style="list-style-type: none"> <li>• ESD protection diodes on TX port</li> </ul>
<b>Reverse polarity protection</b>	<ul style="list-style-type: none"> <li>• Present</li> </ul>
<b>Overload current protection</b>	<ul style="list-style-type: none"> <li>• Present</li> </ul>
<b>Power Input</b>	<ul style="list-style-type: none"> <li>• 18V-30VAC,</li> <li>• 12V-56VDC,</li> <li>• DC Jack terminal cable supported (DC Barrel Connector )</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Max 2.5Watts</li> </ul>
<b>Conformance to UL Standards</b>	<ul style="list-style-type: none"> <li>• Use Isolated power supply to conform with UL 508 standard</li> </ul>
<b>Removable Terminal Block</b>	<ul style="list-style-type: none"> <li>• 3 pin contact terminal block for power input</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• -40°C~75°C</li> </ul>
<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>• 5% to 95% (Non-condensing)</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>• -40°C~85°C</li> </ul>
<b>Housing</b>	<ul style="list-style-type: none"> <li>• IP40 Design, high graded Aluminum</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 58x36x49mm (LxWxD)</li> </ul>
<b>Installation mounting</b>	<ul style="list-style-type: none"> <li>• DIN Rail mounted,</li> <li>• Panel Mounted,</li> </ul>
<b>EMC/EMS</b>	<ul style="list-style-type: none"> <li>• CE, FCC, ROHS</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>• EN60950-1</li> </ul>

## Application



## Ordering information

<b>RP-IMC601SC</b>	10/100Base-TX to 100Base-FX Industrial Media Converter, Multi-mode, 2km/1310nm, SC connector
<b>RP-IMC601C30</b>	10/100Base-TX to 100Base-X SFP Industrial Media Converter Single-mode, 30km/1310nm, SC connector
<b>RP-IMC601FP</b>	10/100Base-TX to 100Base-X SFP Industrial Media Converter