

## IMC-PT02 Specification

<b>Technology</b>	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3af Power over Ethernet IEEE 802.3at High Power PoE
<b>Performance</b>	
PoE Operating Mode	Power Sourcing Equipment (PSE) with Auto detection, classification, powering and disconnection
PoE powering mode	Alternative-A: IMC-PT02-A : RJ-45 (1,2):V-, RJ-45 (3,6):V+ Alternative-B: IMC-PT02-B : RJ-45 (4,5):V+, RJ-45 (7,8):V -
VPoE Output Budget	IEEE 802.3af: 15W @DC 48V, per port IEEE 802.3at: 30W @DC 53V, per port
PoE Disconnection	DC disconnection
Protection	PoE over temperature, Over current and Under/ Over voltage protection Over Current Protection (Icut): 600mA IEEE 802.3at, 350mA IEEE 802.3af
<b>Interface</b>	
Data Port	Data Port : Two RJ-45 connectors
PSE Port	Data and Power: Two RJ-45 connectors with PoE power output
Power input Port	4-Pin removable Terminal Block Connector 2 conductors for DC input, 1 conductor for Surge protection
<b>System Diagnostic LEDs</b>	
System Power	Sys Pwr : System power is on applying (Green on)
PSE	PSE 1, PSE 2: PoE powering (Green on), PoE over current or cable short (Green slow blinking), PoE system over voltage or over temperature (Green fast blinking)
<b>Power Requirements</b>	
System Power	DC 46~57V with polarity reverse protection
Power Consumption	IMC-TT02-A/ IMC-TT02-B (Maximum): 2W without PoE loading (Maximum) IMC-TT02-A/ IMC-TT02-B (Maximum with PoE FullLoading): IEEE 802.3af 35.04W@DC48V, IEEE 82.3at 60.42W@DC53V, IEEE 802.3at 70.2W@DC 57V
Inrush Current	0.2A/ DC 46V, 0.224A/ DC 48V, 0.271A/ DC53V, 0.33A/ DC 57V
<b>Mechanical</b>	
System Installation	DIN Rail installation
Case	Steel Metal Housing with Ingress Protection – IP 30
Dimensions	111.8 mm(H) x 30mm (W) x 89.5mm (D)
Weight	0.485 kg with package 0.335 kg without package
<b>Environmental</b>	
Operating Temperature	-40 ~ 75°C
Operating Humidity	0% ~ 95% (non-condensing)
Storage Temperature	-40 ~ 80°C
Storage Humidity	0%~ 95% non-condensing
<b>Regulatory Approvals</b>	
EMI	CE, FCC A, IEC/EN61000-6-2, IEC/EN61000-6-4 MIL-STD 1275 - Power port with DC48V source
MTBF	498,000 Hours ,MIL-HDBK-217F
Warranty	5 Years