

ES 1005P

5 Port Industrial Unmanaged PoE+ Ethernet Switch



- 5x Fast Ethernet ports with 4x IEEE 802.3at PoE+
- Built for harsh environments and wide temperature range application
- IP30 housing
- DIN-Rail Mounting



Specifications

Technology

Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3x Flow Control
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at PoE+

Processing Type	Store and Forward
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Switch Properties

Switch Fabric	1Gbps
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Priority Queues	-
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MAC Table Size	1K
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Packet Buffer	448Kbits
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Interface

RJ45 Port	5x 10/100T(x) with 4x PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X
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PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A
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LED Indicators	Per unit: PWR1, PWR2
	Ports: Link/Active(Green)
	PoE: Output Power

Power Requirements

Operation Voltage	48-57VDC, redundant dual inputs, >50VDC for PoE+ output recommended
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Connection	1x removable 4-contact terminal block
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Power Consumption	0.03A@48VDC without PDs' consumption
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PoE Power Budget	Max. 120W for total PD consumption, Max. 30 W per PoE port
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Protection	Overload Current Protected, Reverse Polarity Protected
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Mechanical Construction

Enclosure	SECC
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Protection Class	IP30
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Dimensions	27x105x95 mm (WxHxD)
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Weight	0.51 kg
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Mounting	DIN-Rail Mounting
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Environmental Limits

Operating Temperature	Extended: -40°C ~ 75°C (-40°F ~ 167°F)
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Storage Temperature	-40°C ~ 85°C
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Ambient Relative Humidity	5 to 95%, (Non-Condensing)
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Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A
EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27

Vibration IEC60068-2-6

Green RoHS Compliant

Certifications IEC 61000-6-2
IEC 61000-6-4

MTBF >100,000 hours

Warranty 5 Years

Optional Accessories

240W Industrial DIN-Rail Power Supply, 48VDC

480W Industrial DIN-Rail Power Supply, 48VDC
(metal case)

Features with star(*) implies those are under development.
In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

Dimensions (unit = mm)

