

ON-5716E-2F Datasheet

ON-5716E-2F

Product Type	Industrial Gigabit Ethernet Switch
Model	ON-5716E-2F
Total Ports	16
Gigabit Ethernet Ports	14 × 10/100/1000 Mbps RJ-45
Fiber Ports	2 × 1000 Mbps SFP
Network Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z
Switching Capacity	32 Gbps
Forwarding Rate	23.8 Mpps @ 64-byte packets
MAC Address Table	8K entries
Data RAM Buffer	512 KB
Jumbo Frame	9 KB
Power Input	12–56 VDC
Recommended Power Supply	Optech-approved equivalent of the source-referenced 24 VDC industrial supply
Maximum Power Consumption	9 W @ 56 VDC
Power Configuration	Redundant power inputs
Terminal Block	6-pin removable terminal block
Alarm Relay	1 A @ 24 VDC
Wire Range	0.34–2.5 mm²
Wire Gauge	AWG 12–24, solid or stranded
Terminal Torque	5 lb-in / approximately 0.5–0.56 Nm
Wire Strip Length	7–8 mm
Enclosure	IP50-rated metal case
Installation	DIN-Rail, Wall-Mount
Grounding	Dedicated grounding point
ESD Protection	6 kV contact, 8 kV air
Surge Protection	2 kV
Operating Temperature	-40°C to +75°C

Operating Humidity	Up to 95% RH, non-condensing
Dimensions (L × W × H)	142 × 105 × 45.5 mm
Weight	450 g
MTBF	1,276,042 hours @ 25°C
LED Indicators	Power and network status indicators
Certifications / Standards	Source-referenced: CE, FCC, LVD, IEC 60068-2-27, IEC 60068-2-32, IEC 60068-2-6
