

ON-7706E-2F Datasheet

ON-7706E-2F

Product Type	Managed Industrial Layer 2 Ethernet Switch
Model	ON-7706E-2F
Total Ports	6
Fast Ethernet Ports	4 × 10/100BASE-T/TX RJ-45
Fiber Ports	2 × SFP (Mini-GBIC)
Copper Port Features	Auto-negotiation, Full/Half Duplex, Auto MDI/MDI-X
Console Port	RS-232, RJ-45
Power Connector	6-pin screw terminal block
Relay Output	1 × relay output
Power Input	12–48 VDC, redundant dual power input
Power Consumption	5.28 W @ 48 VDC
MAC Address Table	8K
Packet Buffer	4.1 Mbit
Maximum VLAN Groups	256
VLAN ID Range	1–4094
VLAN	Tag-based VLAN, QinQ VLAN Stacking, GVRP
Port Mirroring	Per-port, multi-source port
Multicast	IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate Leave
Storm Control	Broadcast, Multicast, Unknown Unicast
QoS Scheduling	WRR, Strict Priority, Hybrid Priority
Class of Service	IEEE 802.1p, IP ToS, DSCP
Rate Limiting	Ingress and Egress
Link Aggregation	IEEE 802.3ad Dynamic and Static Port Trunking
Redundancy	X-Ring Pro, IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP
X-Ring Pro Recovery	Less than 20 ms
Security	802.1X, RADIUS, TACACS+, ACL, IP Source Guard, DHCP Snooping, ARP Spoofing Prevention

802.1X Authentication	Port-based, MD5/TLS/TTLS/PEAP
Management	SNMP v1/v2c/v3, Web, Telnet, RMON
MIB Support	Standard MIB, Private MIB
Secure Management	SSH 2.0, SSL
Software Upgrade	TFTP, HTTP, Dual Image
Time Synchronization	SNTP Client
DHCP	Client, Server, Options 66/67/82
Deployment Function	IXM-based fast deployment
NMS Support	Remote network monitoring and management
Enclosure	Metal Shell
Protection Class	IP30
Installation	DIN-Rail
Dimensions (W × H × D)	43 × 120 × 84 mm
Standard Operating Temperature	-10°C to +60°C
Wide Operating Temperature Variant	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Relative Humidity	10–95% RH, non-condensing
LED Indicators — System	PWR1, PWR2, SYS, Alarm, R.M.
LED Indicators — Port	Link, Speed, Activity
Power Redundancy	Dual DC Power Input
Fiber SFP Note	Copper SFP type supports 1000 Mbps only
Source-Referenced Certifications	CE, FCC Class A, UL 61010, EN LVD 62368-1, IEC 61000-4 series, IEC 60068-2 series, EN 50121-4, IEC 62443-4-2