

ON-5708G-2F Datasheet

ON-5708G-2F

Product Model	Optech Network Solutions ON-5708G-2F
Product Type	8-Port Unmanaged Industrial Gigabit Ethernet Switch
Total Ports	8
Ethernet Ports	6 × 10/100/1000Base-T(X) RJ45
Fiber / Combo Ports	2 × 100/1000Base-SFP
Port Configuration	6 × RJ45 + 2 × Combo RJ45/SFP
Ethernet Speed	10/100/1000 Mbps
SFP Speed	100/1000 Mbps
Speed Negotiation	Auto Negotiation
Duplex Mode	Full / Half Duplex
MDI/MDI-X	Auto MDI/MDI-X
Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.3z, 802.3az
Jumbo Frame Size	9.6 KB
MAC Table Size	8K entries
Packet Buffer Size	4 Mbits
Processing Type	Store and Forward
Broadcast Storm Protection	Supported
Energy Saving	IEEE 802.3az Energy-Efficient Ethernet
Port Break Alarm	Supported
Alarm Output	1 × Relay Output
Relay Rating	1 A @ 24 VDC
Power Input	12/24/48 VDC
Operating Voltage Range	9.6–60 VDC
Power Configuration	Redundant Dual Inputs
Reverse Polarity Protection	Supported
Input Current – 6 RJ45 + 2 SFP Variant	0.9 A @ 12–48 VDC
Terminal Block	1 × Removable 6-contact terminal block

Enclosure	Metal
Ingress Protection	IP30
Dimensions (W × H × D)	53 × 135 × 105 mm
Weight	880 g
Mounting	DIN-Rail; Wall Mount with optional kit
Operating Temperature – Standard	-10°C to 60°C
Operating Temperature – Wide Temperature	-40°C to 75°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	5–95% RH, non-condensing
MTBF	2,260,195 hours for the 6-RJ45 + 2-SFP variant
Safety	UL 508, EN 62368-1
EMC	EN 55032/35, EN 61000-6-2/-6-4
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2/-3/-4/-5/-6/-8
Hazardous Locations	ATEX, Class I Division 2
Railway	EN 50121-4
Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Maritime	DNV, LR, ABS, NK