

PROFINET Ethernet Switch Specification (Continued)

Part Number	IC086GLM064	IC086GLM082	IC086GLM104
Security Feature	HTTP, HTTPS, SSH IP and MAC-based access control IEEE 802.1X authentication Network Access Control Multicast/Broadcast/Flooding Storm Control Port-based /tag-based VLAN, IEEE 802.1ad/QinQ VLAN, Protocol-based VLAN Radius Client for Management Cisco-like CLI (command line interface) WEB-based Management SNMP v1, v2c & v3 Telnet (5 sessions) Configuration import/export Firmware upgrade		
Software Feature	IGMP v1, v2 and v3 with up to 512 multicast groups IGMP snooping and querying Immediate leave and leave proxy Throttling and filtering IEEE 802.1ab Link layer Discovery Protocol (LLDP) DHCP Client, Server, Snooping, Relay Media Redundancy Protocol		
PROFINET Feature	PROFINET GSD file, PROFINET I/O parameters, I/O cyclic data PROFINET IO version 2.3, GSDML V2.25 Plug-and-play operation and compatibility with the PROFINET standard v2.3 PNIO System Redundancy MRP Manager MRP Client		
Network Redundancy	Link loss recovery < 20ms Single & Multiple rings; dual-homing; ring-coupling; IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP Static trunk or Dynamic via LACP (Link Aggregation Control Protocol)		
Diagnostic	Syslog Ethernet Copper connection diagnostic tool		
Redundant Input Power	12-58VDC		
Power Consumption (Typ.)	Max. 14Watt	Max. 12.5Watt	Max. 17Watt
Transient Protection	> 15,000 watts peak		

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Reverse Power Protection	Yes		
IP degree	IP30		
Dimension (W x D x H mm)	77 x 128 x 154	77 x 128 x 154	77 x 128 x 154
Weight (g)	1049g	1047g	1077g
Operation Temp	-40°C to +70°C		
Operation Humidity	5% to 95% non-condensing		
EMI	FCC Part 15, CISPR (EN55032) class A		
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS)		
Shock	IEC60068-2-27		
Free Fall	IEC60068-2-32		
Vibration	IEC60068-2-6		
Safety	UL/CSA C22, EN61010-1, CE		

Accessories

Part Number	IC086SFP1MM	IC086SFP1SS	IC086SFP2MM	IC086SFP2SS	IC086SFP3MM
Speed	100Mbps	100Mbps	1000Mbps	1000Mbps	10000Mbps
Fiber Mode	Multi-Mode	Single-Mode	Multi-Mode	Single-Mode	Multi -Mode
Typical Distance	2 km	30 km	550 m	10 km	300m
Operating Temperature	40°C to +85°C	40°C to +85°C	40°C to +85°C	40°C to +85°C	40°C to +85°C
Wavelength	1310 nm	1310 nm	850 nm	1310 nm	850 nm
Optical Output Power 9/125µm fiber (Max. TX)	-	-8 dBm	-	-3 dBm	
Optical Output Power 9/125µm fiber (Min. TX)	-	-15 dBm	-	-9.5 dBm	
Optical Output Power 62.5/125µm fiber (Max. TX)	-14 dBm	-	-4 dBm		-1dBm
Optical Output Power 62.5/125µm fiber (Min. TX)	-20 dBm	-	-9.5 dBm		-6.5 dBm
Optical Output Power 50/125µm fiber (Max. TX)	-14 dBm	-	-4 dBm	-	-1dBm
Optical Output Power 50/125µm fiber (Min. TX)	-23.5 dBm	-	-9.5 dBm	-	-6.5 dBm
Optical Input Power- minimum (Sensitivity)	-31 dBm		-18 dBm	-20 dBm	-9.9 dBm
Optical Input Power maximum (Saturation)	-8 dBm	0 dBm	0 dBm	-3 dBm	-1dBm
Link Budget	7.5 dB	19 dB	8.5 dB	10.5 dB	3.4 dB