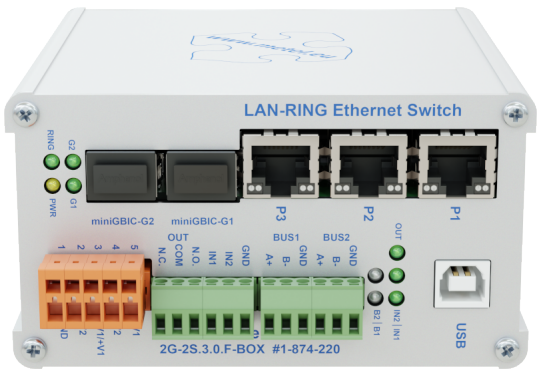


2G-2S.3.0.F

- 2x SFP slot with 100/1000BASE-X support
- 3x RJ45 port 10/100/1000 BASE-T
- 2x RS485 / Modbus-RTU
- 2x digital/alarm input & 1x programmable relay
- 2 independent power inputs
- Redundant topology LAN-RING, RSTP
- Event management with support for: HTTP/ONVIF client, E-mail, IP Watchdogs, ETH events, TCP, Modbus, DIO, balanced loops...
- VLAN, QoS, SNMP, SMTP, STNP, IGMP, RSTP(-M), LLDP, 802.1X
- Overvoltage protection up to 30A (8/20μs)
- Operating temperature from -40°C to +70°C



Industrial managed switches LAN-RING equipped with gigabit ports, SFP slots and in addition RS485 bus, digital / alarm inputs and relay output. Event management, which is part of advanced management, makes these switches the ideal solution for applications with high demands on security and flexibility of the equipment used. The switches support redundant MESH / RING topologies with up to 30ms link recovery. Thanks to the highly rugged hardware, the switches can be deployed in a wide operating temperature range of -40 to 70°. Three gigabit ports make the switches ideal for use in server, NVR, and monitoring sites.

Available models

Order name	Order code
2G-2S.3.0.F-BOX	1-874-220 - FPGA



Technical parameters

SFP slot	
Count	2
Supported formats	100/1000 BASE-LX, BASE-BX
GIGABIT ETHERNET	
Count	3
Supported formats	10BaseT, 100BaseTx, 1000BaseTx
Surge protection	30 A waveform 8/20 μ s
Connector	RJ45
MANAGEMENT	
Application	SIMULand.v4
SNMPv3	Encrypted
RS485	
Count	2
Speed	max. 115200 bps
Surge protection	30 A waveform 8/20 μ s
DI/BI INPUT	
Count	2
Digital mode	NC / NO
Alarm mode	Analog 0 - 30 k Ω for balanced loops
RELAY OUTPUT	
Count	1
Type of contact	Switching
Max. Load	62.5 VA (30 W) / 1 A / 60 V (resistive load)
POWER	
Count	2
Input voltage range	10 - 30 VAC / 10 - 60 VDC
Connector	WAGO 734-205
Power consumption	Max. 5 W
Surge protection	1500 W waveform 10/1000 μ s
ENVIRONMENT	
Operating temperature	-40...+70 $^{\circ}$ C



ENVIRONMENT

Storage temperature	-40...+70 °C
Humidity	Max. 95 %

MECHANICAL

Weight	0.5 kg
Dimensions - h / w / d	60 x 110 x 127 mm

SWITCH

MAC address	8 K
Max. frame size	10240 B (Jumbo)
Packet buffer memory	1 Mbit
Switching	Store-and-forward, full wire-speed, non-blocking on all ports



Standards and protocols

Standard	Note
IEEE 802.3i	10BASE-T 10 Mbit/s (1.25 MB/s) over twisted pair IEEE 802.3u for 100BaseT(X) and 100BaseFX
IEEE 802.3u	100BASE-TX, 100BASE-T4, 100BASE-FX Fast Ethernet at 100 Mbit/s (12.5 MB/s) with autonegotiation
IEEE 802.3ab	1000BASE-T Gbit/s ethernet over twisted pair at 1 Gbit/s (125 MB/s)
IEEE 802.3z	1000BASE-X Gbit/s ethernet over optical fiber at 1 Gbit/s (125 MB/s)
IEEE 802.3ac	Max. frame size 1522 bytes (allow 802.1Q tag)
IEEE 802.3x	Flow Control
IEEE 802.1p	Class of Service
IEEE 802.1X	Port-based Network Access Control (PNAC)
IEEE 802.1q	VLAN tagging
Modbus TCP/RTU	Master / Slave
SNMP v2c/v3	Simple Network Management Protocols
IGMP v1/v2	Internet Group Management Protocols
SNTP	Simple Network Time Protocol
SMTP	Simple Mail Transfer Protocol
RSTP	Rapid Spanning Tree Protocol
LAN-RING.v1, v2	Ring topology with a very short time reconfiguration of max. 30ms
Management	GUI SIMULandv4 - USB C / Encrypted management via LAN

EMC and safety

Standard	Level	Note
EN 61000-6-2		Immunity - industrial environment
IEEE 1613		Environmental and Testing Requirements Electric Power Substations
EN 50130-4 ed. 2		Alarm systems - Part 4: Electromagnetic compatibility
EN 55035		EMC of multimedia devices - immunity requirements



Standard	Level	Note
EN 55032		EMC of multimedia devices - emission requirements
EN 50131-1	4	Alarm systems - system requirements
EN 50121-4 ed.4		Railway applications - EMC Emission and immunity of signalling and communication equipment
EN 62368-1		Safety requirements of Information technology equipment
EN IEC 63000		The Assessment Of Electrical And Electronic Products With Respect To The ROHS
EN 61000-4-2	8 kV	Air discharge
EN 61000-4-2	4 kV	Contact discharge
EN 61000-4-3	10 V/m	Radiated HF field
EN 61000-4-4	2 kV	Bursty
EN 61000-4-5	2 kV	Shock pulses
EN 61000-4-8	30 A/m	Magnetic field
EN 61000-4-11		Short-term power dips and outages

Notes

- The manufacturer reserves the right to change technical parameters without prior notice.

Document created on 02/09/2026 10:21PM:26