Description

- Fast Ethernet Network-Switch (10/100BaseT(X)), managed
- Easy network management by web browser, Telnet / serial console, Ports: RJ45
- Industrial network redundancy with network recovery time < 20 ms (DT-Ring) and < 50 ms (DRP/DHP)
- Standard redundance protocols MSTP / RSTP / STP
- Diverse management and security policies available (e.g. DHCP, IGMP Snooping, QoS, IEEE 802.1Q VLAN , port-based VLAN and GMRP)
- Ethernet/IP, Modbus/TCP supported

General characteristics

Interfaces & buttons	**RJ45 Port**: 10/100BaseT(X) auto-negotiation, full-/ halfduplex-mode and Auto-MDI/MDI-X-connection
	Console port: RJ45, RS232
	Alarm contact: 3-pin plug-in terminal block (5.08mm spacing)
	Reset-Button: reboot and restore default configuration
Switch properties	MAC-tablesize: 8 K
	packet-buffersize: 4 Mbit
	number of VLAN's: 4K
	priority Queues: 8
	packet forwarding rate 0.90 Mpps (M06T-2GEN) / 1.2 Mpps (M08T-2GEN)
Temperature range	operating temp.: -40°C to +75°C (-40°F to 167°F)
	storage temp.: -40°C to +85°C (-40°F to 185°F)
Relative humidity	5% to 95 % (non-condensing)
Standards	IEEE 802.3i (10BaseT)
	IEEE 802.3u (100BaseTX)
	IEEE 802.3ad (Link aggregation)
	IEEE 802.3x (Flow Control)
	IEEE 802.1p (Class of Service)
	IEEE 802.1Q (VLAN)
	IEEE 802.1d (STP)
	IEEE 802.1w (RSTP)
	IEEE 802.1s (MSTP)
	IEEE 802.1x (Network Access Control)
	IEEE 802.1ab (LLDP)
	IEEE 1588 V2 (PTP)

Protocol	**Switching:**
	VLAN, PVLAN, GVRP, port aggregation, LACP, port flowcontrol, ACL Rate Limiter, QoS Storm Policing
	Redundancy:
	DT-Ring, DT-Ring+, DT-VLAN, DR/DHP, STP / RSTP / MSTP
	Multicast:
	IGMP Snooping, GMRP, Static multicast
	Network safety:
	HTTPS/SSL, SSH, TACACS+, RADIUS, User Classification, MAC-adress binding with switch ports
	Service Quality:
	QoS, DSCP, SP, WRR Queue scheduling, ACL
	Industry:
	Ethernet/IP, Modbus/TCP
Management	**Management and maintenance:**
	Console, Telnet, Web-Interface, SNMPv1/v2c/v3, loop detection, RMON, port mirroring, Syslog, LLDP, link-check, automatic configuration backup and restore tool
	Alarm:
	Power, IP/MAC-conflict, memory/CPU-usage, port, ring, port traffic, CRC error, packet lose
	IP-Management:
	DHCP server/snooping/client, DHCP Option 82, ARP
	Time Management:
	SNTP Client, PTP
MTBF (mean time between failures)	1.724.001 Std @ Telcordia (Bellcore), GB (M06T-2GEN)
	1.717.168 Std @ Telcordia (Bellcore), GB (M08T-2GEN)

Variation

Article	Description	Ports (P*) [amount]
21700125	ETHERLINE ACCESS M06T-2GEN	06
21700126	ETHERLINE ACCESS M08T-2GEN	08

Power requirements

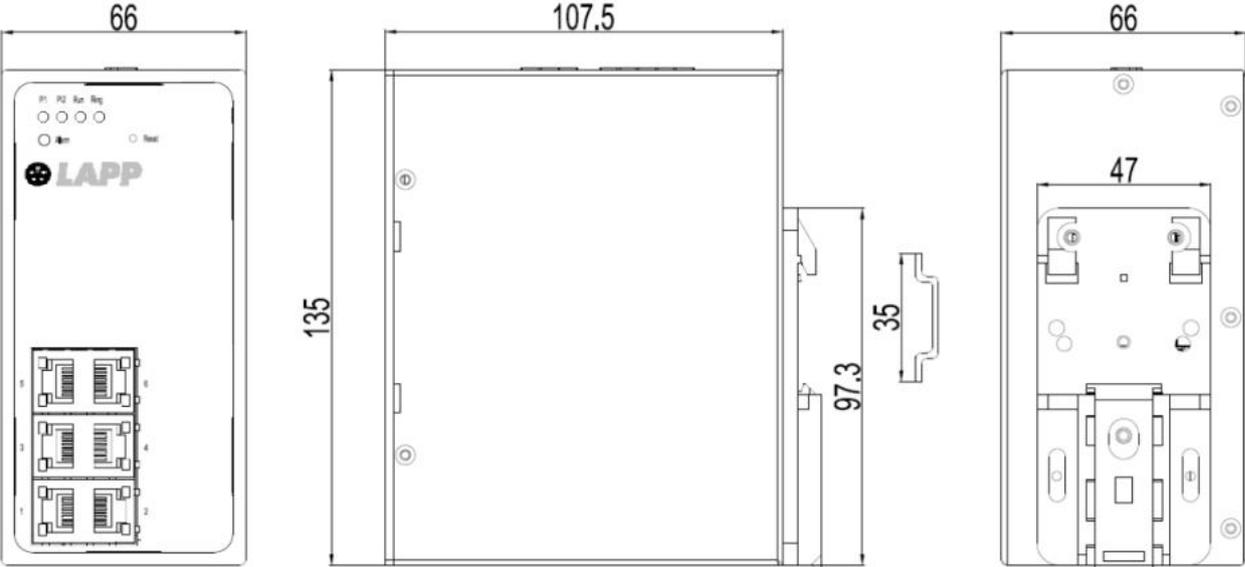|	
Connection	1 removable 5-pole terminal block
Input voltage	24-48 V DC (18-60V DC)
Power Consumption (max.)	11 W
Input current (max.)	0.62 A
Overload current protection	support
Reverse polarity protection	support
Redundancy protection	support

Physical properties

Housing	metal
IP class	IP40
Weight	1.1 kg
Installation	DIN-rail mounting

Technical drawing

Dimensional drawing (M06T-2GEN)

Dimensional drawing (M08T-2GEN)
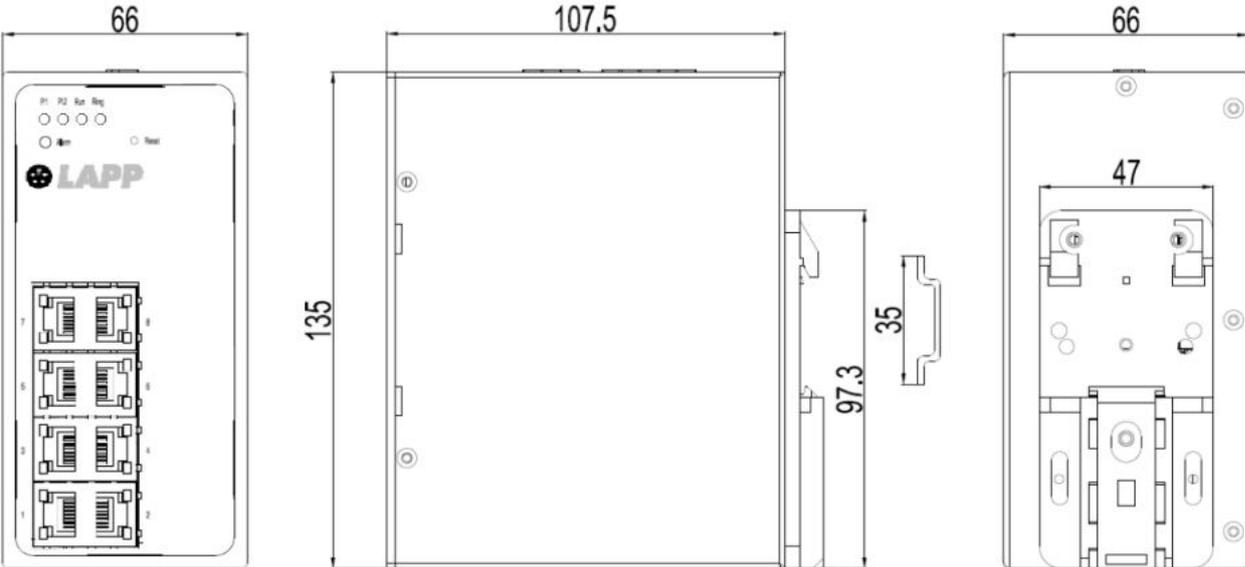
Standards and approvals

Safety	UL61010
EMC	EN55032/CISPR22 Class A
EMI	FCC CFR47 Part 15
EMS	IEC 61000-4-2 ESD: contact: 6kV / air: 8kV
	IEC 61000-4-3 RS: 80Mhz to 2GHz: 10V/m
	IEC 61000-4-4 EFT/Burst: Power: 2kV / Signal: 1kV
	IEC 61000-4-5 Surge: Power: 1kV / Signal: 1kV
	IEC 61000-4-6 CS: 10V (150 kHz – 80 MHz)
Vibration	according IEC 60068-2-6
Shock	according IEC 60068-2-27
Free fall	according IEC 60068-2-31
Approvals	CE
	UL (E331560)
	FCC

Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not to scale and do not represent detailed images of the respective products.