



**Basler**

## **Technical Specification**

**8-Port Gigabit PoE Smart Switch with 2 Gigabit Fiber SFP**

**Order no.: 2000030579**

**for ace series**

**Basler AG**

**An der Strusbek 60-62**

**22926 Ahrensburg, Germany**

## **Specification**

### **Network Protocol and Standards Compatibility**

- IEEE 802.3i 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x full-duplex flow control
- IEEE 802.3af (DTE Power Via MDI)

### **Power Supply**

- Power consumption: 59.3W maximum

### **Network Ports**

- Eight (8) 10/100/1000 Mbps auto sensing + 2 Gigabit SFP uplinks

### **Physical Specifications**

- Dimensions:(W x D x H) 236 x 101.6 x 27 mm (9.3 x 4.0 x 1.07 in)
- Weight: 0.7 kg (1.55 lb)

### **Performance Specifications**

- Forwarding modes: Store-and-forward
- Bandwidth: 20 Gbps full duplex
- Network latency: Less than 4  $\mu$ s for 64-byte frames in store-and-forward mode for 100 Mbps to 100 Mbps transmission
- Buffer memory: 512 KB embedded memory per unit
- Address database size: 4k media access control (MAC) addresses per system
- Mean time between failure (MTBF): 157,004 hours (~18 years)
- Acoustic noise: 0 dB

### **Electromagnetic Emissions**

- CE mark, commercial
- FCC Part 15 Class A
- VCCI Class A
- C-Tick

### **Environmental Specifications**

- Operating temperature: 32° to 122°F (0° to 50°C)
- Storage temperature: -4° to 158°F (-20° to 70°C)
- Operating humidity: 90% maximum relative humidity, non-condensing
- Storage humidity: 95% maximum relative humidity, non-condensing
- Operating altitude: 10,000 ft (3,000 m) maximum

- Storage altitude: 10,000 ft (3,000 m) maximum

### **Status LEDs**

- Per RJ45 port: Link/activity, speed, PoE status
- Per SFP port: Link/speed
- Per device: Power, PoE Max

### **Power Adapter**

- 48v, 1.25A external power adapter, localized to country of sale

### **Electromagnetic Immunity**

- EN 55024

### **Safety**

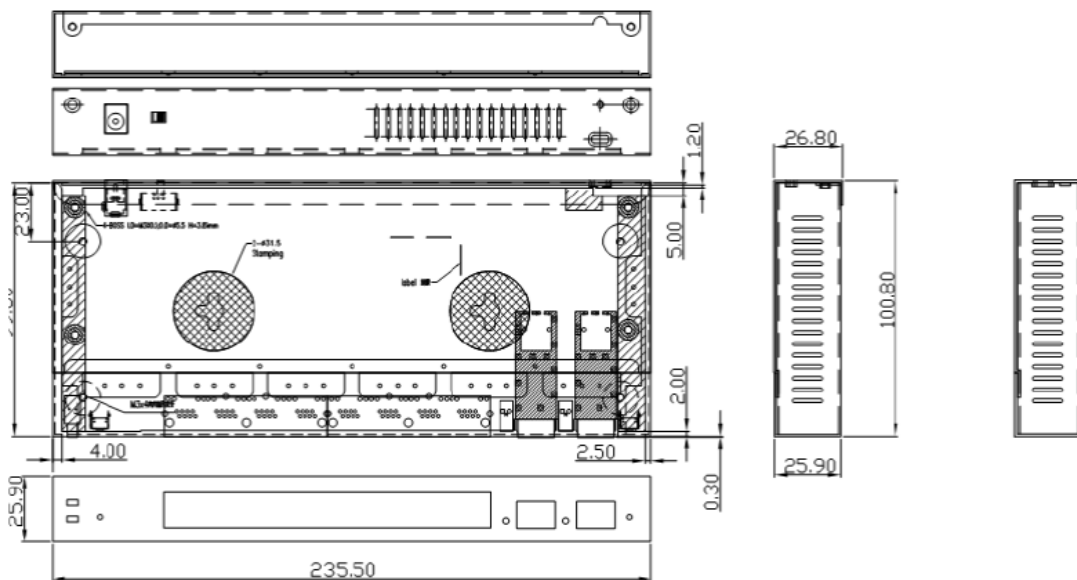
- CE mark, commercial
- cUL IEC 950/EN 60950
- CB

### **Administrative Switch Management**

- IEEE 802.1Q Static VLAN (64 groups, Static)
- Protected Ports
- IEEE 802.1p Class of Service (CoS)
- Port-based QoS
- DSCP-based QoS
- DiffServ
- IEEE802.3ad Link Aggregation (manual or LACP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.1s Multiple Spanning Trees Protocol (RSTP)
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- SNMP v1, v2c, v3
- RFC 1213 MIB II
- RFC 1643 Ethernet Interface MIB
- RFC 1493 Bridge MIB
- RMON group 1, 2, 3, 9
- Auto Voice VLAN
- DHCP Filtering
- Auto denial-of-service (DoS) protection
- HTTP and HTTPS
- Ping and traceroute
- Power saving when link down
- RFC 2131 DHCP client
- IEEE 802.1x with Guest VLAN
- Jumbo frame support
- Port-based security by locked MAC addresses
- MAC and Ip-based ACL
- Storm control for broadcast, multicast and unknown unicast packets

- IGMP Snooping v1/v2
- Port-based egress rate limiting
- SNMP
- Port Mirroring Support (Many to one)
- Web-based configuration
- Configuration Backup/Restore
- Password Access Control
- RADIUS Support
- TACACS+ and RADIUS support
- Syslog
- Firmware upgradeable
- PoE (46 watts of power budget)

**Fixation to wall:**



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