

# DIAMOND *flexos*

## Fiber Optic Active Components

### GB Installation Switch G6

#### SWITCHES

The DIAMOND Gigabit Ethernet G6 installation switch is one of the smallest Fiber To The Office (FTTO) solutions available on the market. Thanks to its compact design, the switch can be fitted easily into cable ducts and underfloor systems via snap-in attachment.

The fibre-optic connection technology ensures that your workplace is well prepared for future broadband requirements. The complete Gigabit Ethernet service is supported on fibre-optic uplinks and local copper ports.

#### ADVANTAGES

- ▶ Small and compact design
- ▶ User-friendly management
- ▶ 45-mm snap-in assembly (no screw fastenings)
- ▶ Future-proof due to IPv6 capability
- ▶ Supports all current management standards
- ▶ Replaceable Micro SD memory card for configurations, scripts and firmware
- ▶ Firmware, script and/or configuration files can be loaded directly in the switch via FTP, SFTP and TFTP, and then saved and executed
- ▶ Passive cooling (no fan)

#### FEATURES

- ▶ 5x 10/100/1000Base-T RJ-45 (4x local ports, 1x downlink port)
- ▶ 1x 1000Base-SX E-2000®, SC, ST or 100/1000Base-X SFP uplink
- ▶ High-performance 800 MHz ARM CPU
- ▶ Extensive management:  
Virtual Local Area Network (VLAN), Quality of Service (QoS), Rapid Spanning Tree Protocol (RSTP), Cisco Discovery Protocol (CDP), IP-Stack, Multicast Forwarding, Real Time Clock (RTC), Link Layer Discovery Protocol (LLDP), Port Access Control, Command Line Interface (CLI), RADIUS Client, etc.
- ▶ Webmanager (HTTP / HTTPS)
- ▶ Telnet / SSH / console, incl. standard commands (ping, traceroute, etc.)
- ▶ SNMP v1 / v2c / v3
- ▶ IPv4 / IPv6 dual stack
- ▶ Integrated scripting for the automatic execution of routine work via CLI script
- ▶ Reset and system buttons on the front
- ▶ LED's can be used to ascertain the network status
- ▶ Non-blocking system

#### FEATURES FOR POWER OVER ETHERNET (PoE+)

- ▶ Power over Ethernet Plus in accordance with IEEE802.3at on all 5 ports (max. 30W / port)
- ▶ Total power at switch typically restricted to 85 W
- ▶ Port-based PoE+ configuration capabilities

Gigabit Ethernet, PoE



## TECHNICAL SPECIFICATIONS

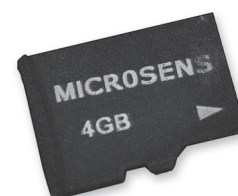
Model:	Gigabit Ethernet Installation Switch G6
Connections:	5x 10/100/1000Base-T RJ-45 (4x local ports, 1x downlink port) 1x 1000Base-SX E-2000®, SC, ST™ or 100/1000Base-X SFP uplink
Cable type:	Twisted-pair cable, category 5e 100 Ohm impedance, max. length of 100 m
Fiber type:	Multimode – 50/125 µm (550m) or 62.5/125µm (280m) 850-nm wavelength
Transmission power:	-4 to -9.5 dBm
Sensitivity:	-18 dBm
Dimensions:	90 x 45 x 58 mm (L x W x H, without connections)
Installation depth:	34 mm
Assembly:	in cable ducts, underfloor systems or surface-mounted housings
Operating temperature:	0 to 40
Storage temperature:	-20 to 85
Relative humidity:	10% to 90% non-condensing
Power supply:	230 VAC via an integrated power supply / 54 VDC via an external power supply for PoE version
Weight:	325 g
Micro SD memory card:	extended temperature range -25°C to +85°C

## ORDERING INFORMATION

SHORT DESCRIPTION	DESCRIPTION	ORDER NUMBER
GB Installation Switch G6, 5 ports, MM E-2000®	GB Installation Switch G6 E-2000® with 5x10/100/1000Base-T and 1x1000Base-SX E-2000® uplink 230 VAC integrated	EQQ 1069013
GB Installation Switch G6, 5 ports, SFP	GB Installation Switch G6 SFP with 5x10/100/1000Base-T and 1x1000Base-X SFP uplink 230 VAC integrated	EQQ 1069032
GB Installation Switch G6, 5 ports, MM E-2000® PoE+	GB Installation Switch G6 E-2000® PoE+ with 5x10/100/1000Base-T and 1x1000Base-SX E-2000® uplink 54 VDC, excl. external power supply	EQQ 1069014
GB Installation Switch G6, 5 ports, SFP PoE+	GB Installation Switch G6 SFP PoE+ with 5x10/100/1000Base-T and 1x1000Base-X SFP uplink 54 VDC, excl. external power supply	EQQ 1069033
Micro SD memory card	4 GB Micro SD memory card with extended temperature range (-25°C to +85°C)	EQY 1069051
External power supply for PoE version	External power supply for PoE version 54 VDC, typ. 85 W, 1.2 A	EQQ 1069052
Cable box with cover	Mounting box with cover for installation switch, for installation in cable ducts (preferably those produced by Ackermann)	EQY 1003105
AP Mosaic Box 6-per 5 incl. blind cover	Mounting box with cover for installation switch, for surface-mounted installation, including blind cover	EQY 1027990



EQQ 1069052



EQY 1069051

Other connector types and single-mode versions are available on request.