

RIGID NETWORKING SERIES

EXTREME TEMPERATURE SWITCHES



BCD-RGD-802P-MT

KEY FEATURES



PORT DENSITY:
10 PORTS



FIVE-YEAR WARRANTY



**ENVIRONMENTALLY
HARDENED**



FULL MANAGED



-40°C TO 75°C (-40°F TO 167°F)

EXTENDED TEMPERATURE:

The BCDVideo Rigid Networking Series offer the best protection from harsh environments. These switches are purpose built for mobile use and extreme temperature environments.

The Rigid Networking Series provides an environmentally hardened networking solution to the video surveillance market. As a rugged switch, they can handle extreme temperature ranges from -40°C to 75°C. The fault-tolerant network protects the system from downtime resulting in loss prevention and stability. PoE offers centralized power management for each device. These network switches enable networks to be designed to meet the demands of the market.

	RJ45 PORTS	OPTICAL PORT	AUTO-NEGOTIATION	MULTICAST	IGMP
BCD-RGD-802P-MT	8 Gigabit ports PoE+	2 x SFP 1000Base-FX	10/100/1000Mbps-Full/Half-duplex Auto MDI/MDI-X	Supported	V1/V2 up to 256 groups

	COMMAND CONFIGURATIONS	NETWORK REDUNDANCY	PORT NAMING	REDUNDANT POWER	OPERATING TEMPERATURE	UPC
BCD-RGD-802P-MT	Web GUI, Serial Console, CLI	G.8032 ERPS, RSTP, MST	Capable	Capable	-40°C to 75°C (-40°F to 167°F)	859407006104

ETHERNET

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3u 100Base-FX IEEE802.3z 1000Base-X IEEE802.3af/at Power over Ethernet IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1X Network Authentication IEEE 802.3x flow control, back pressure flow control
Processing Type	Store-and-Forward
Forward Filter Rate	1.488 Mpps (max)
Packet Buffer Memory	4 Mbit
Max. Packet Length	9.6 Kilobytes
Address Table Size	8K MAC Addresses

BCDVIDEO™

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ELECTRICAL AND MECHANICAL

POWER & LED INDICATORS

INPUT POWER	POWER CONSUMPTION	INPUT VOLTAGE RANGE	POWER STATUS	POE	ETHERNET (PER PORT)	SFP
Redundant Input Terminals (6-pin)	255W with PD loading (max)	48-55 VDC	Power1, Power 2, Fault	Power supply to PD	LINK/Activity	LINK/Activity

POE:

STANDARD	MAX POWER (PER PORT)	MAX POE POWER BUDGET
IEEE802.3at	30 Watts	240 Watts

SIZING SPECIFICATIONS

HEIGHT	WIDTH	DEPTH	WEIGHT (MAX)	CASING	MOUNTING OPTIONS
5.6"/142 mm	1.82"/46 mm	3.86"/98 mm	2.87 lbs/1.3 kg	IP30 Metal Case	DIN-Rail / Wall-mount

SOFTWARE FEATURES

• Network Redundancy	STP/RSTP/MSTP, Port Trunk with LACP, ERPS (<50ms)
• Configuration	Web-base, Telnet, Console, Cisco-like CLI, TFTP, SSH, SSL, SNMP v1/v2c/v3, RMON, USB
• Security Features	MAC based port security, static MAC address Access Control List(ACL), 802.1X authentication, RADIUS SNMP v3 encrypted authentication and access
• Software Features	Qos-Cos, ToS/Diffserv mapping, SPQ/WRR queuing 802.1Q VLAN and 802.1ad Q-in-Q provider bridge IGMP/MLD Snooping, IGMP/MLD query DHCP Client/Server/Relay with Option 82 Internet Protocol Version 6 (IPv6) Port Status, Statistics, Monitoring, Security, and Rate Limiting, SFP DDM PoE Status, Monitoring, Ping Alarm, Scheduling Port Mirror, uPnP, Modbus/TCP

ENVIRONMENTAL:

• Operating Temperature	-40°C to 75°C (-40°F to 167°F)
• Storage Temperature	-40°C to 85°C (-40°F to 185°F)
• Relative Humidity	5% to 95% non-condensing
• MTBF	+ 200,000 hrs

REGULATORY APPROVALS

ISO9001, CE, FCC, RoHS EMI FCC Part 15 Subpart B Class A
 EN55022:2010+AC: 2011, Class A EMS IEC 61000-4-2: 2008 (ESD) IEC
 61000-4-3: 2010 (RS) IEC 61000-4-4: 2012 (EFT) IEC 61000-4-5: 2014
 (Surge) IEC 61000-4-6: 2013 (CS) IEC 61000-4-8: 2009 (PFMF)
 Free Fall IEC60068-2-32 Shock IEC60068-2-27 Vibration IEC60068-2-6