

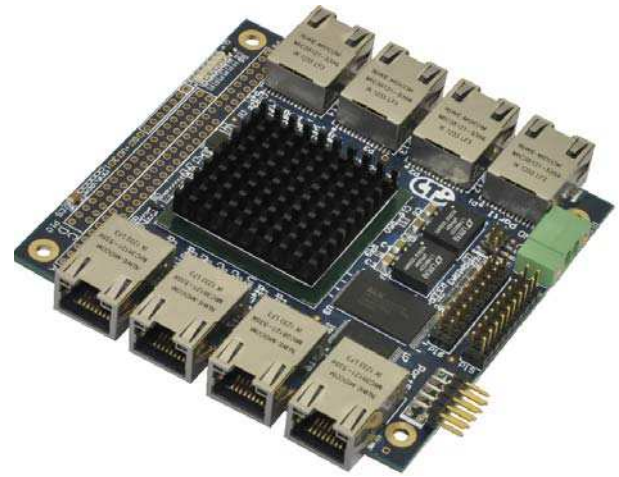


Xtreme/GbE

Connect Tech's Xtreme/GbE is a flexible, high performance 8-port Gigabit Ethernet Switch with advanced management capabilities. The Xtreme/GbE can be powered from a wide input voltage range of +5V to +36V making it ideal to sit as a standalone unit or to be integrated onto a small SBC.

The Xtreme/GbE can have its management features controlled via web GUI interface or a CLI that can be accessed by an on-board RS-232 serial port or directly through the PCIe/104 bus on model # XDG003.

With an extended operating temperature range of -40°C to +85°C, the Xtreme/GbE is ideally suited for rugged, severe environments.



Product Name: Xtreme/GbE
Part Numbers: XDG001, XDG002, XDG003

Specifications

Ethernet Switch	Enhanced 8-Port Gigabit Ethernet Switch (Layer 2+) with integrated CPU for Management Capabilities
Ports	8 x 10/100/1000 Mbps (non-blocking)
Connectors	8 x Low Profile RJ-45 Jacks
Management Interface Options	Web Managed Command Line Interface (CLI) <ul style="list-style-type: none"> • via RS-232 Serial Port on XDG001/XDG002 • via PCIe/104 bus on XDG003
Frame Buffering	176KB (Jumbo frame support at all speeds)
DSCP	DSCP remarking for both IPv4 and IPv6 frames
Flow Control	Full-duplex (IEEE 802.3x) and half-duplex backpressure, symmetric and asymmetric
Protocol Support	IEEE 802.1D, IEEE 802.1s, and IEEE 802.1X
MAC Addresses	8k addresses
IP Multicast	8k IP multicast support
VLANs	Up to 4000 (4k) VLANs supported
QoS	Programmable multilayer classifier with four QoS classes
Indicator LEDs	2 LEDs per port (available on RJ-45 and through external connector) 2 Power Rail LEDs 4 Status LEDs
Standalone Operation	Switch can be used as a standalone unit or can be paired with an embedded SBC
Input Voltage	Wide input range: +5V to +36V DC
Power Consumption	3W Typical (6W Max)
Bus Interface	XDG001: no bus connector populated XDG002: PC/104 bus pass through (for sourcing power only) XDG003: PCIe/104 bus (sourcing power and management interface)
Dimensions	PC/104 compliant: 3.775" x 3.550"
Weight	90g
Mechanical Information	Download 3D model here: http://www.connecttech.com/ftp/3d_models/XDG00X_3D_MODEL.zip
Operating Temperature	-40°C to +85°C
Warranty and Support	Lifetime warranty and free technical support

FEATURES

- ✓ 8 x 10/100/1000 Mbps Port Switch
- ✓ Web GUI or CLI Management
- ✓ Small PC/104 Form Factor
- ✓ Single Wide Range Input Voltage
+5V to 36V
- ✓ Extended Temperature Range
-40°C to +85°C

RoHS

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