



SwitchBox 684

28-port Gigabit Ethernet Switch Subsystem



- ◆ 24-port Gigabit Ethernet switch
 - 24 ports x1 GbE
- ◆ Data plane designed with Broadcom® StrataXGS® III switch chip
- ◆ Control and management functionality designed using a Freescale Power Architecture™ MPC8245 integrated system controller with 256 MB SDRAM, 4 MB boot flash, 128 MB flash file system disk
- ◆ Fully integrated Layer 2 switching, Layer 3 routing, Quality of Service (QoS), IP multicast, security and network management
- ◆ All ports available on MIL-C-38999 connectors
- ◆ 28 VDC power supply
- ◆ Ruggedization:
 - Conduction-cooled, extended temp

The SwitchBox 684 is a 24-port gigabit Ethernet switch packaged in a rugged stand-alone chassis. This switch is designed for rugged applications with no active cooling components required, and is designed for reliable operation in harsh environments.

Uniquely suited to support inter-platform network centric applications, the SwitchBox 684 supports 24 10/100/1000MB/s interfaces.

All of the 1 GbE ports support full auto-negotiation and auto MDI/MDIX crossover to simplify integration. Further, the switching core provides a full-speed, non-blocking architecture for full wire-speed performance on all ports.

The SwitchBox 684 is part of a large family of rugged gigabit Ethernet switching/routing products from Curtiss-Wright Controls Embedded Computing.

Learn More

Sales Info: sales.cwembedded.com

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SwitchBox 684

SwitchBox 684 Accessories

The SwitchBox 684 is available with I/O break out cables and testing equipment. Contact the factory for more information.

Table 1: Physical Specifications

SWaP	Specification
Dimensions	2" x 11" x 11.5"
Weight	10 lbs
Power Requirements	60W

Table 2: Thermal Characteristics

Cooling Approach	Natural Convection
Max Ambient	70°C

Figure 1: SwitchBox 684 Block Diagram

