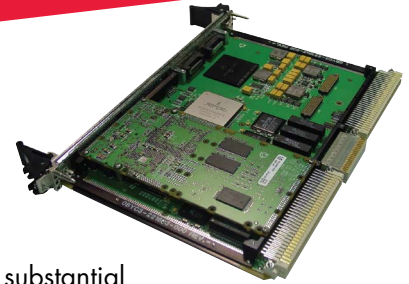




SVME/DMV-682

FireBlade



- ◆ Fully Managed or Unmanaged
 - CLI ('CISCO-like'), Web, SNMP Interfaces
 - Extensive MIB support
- ◆ 12/20/24 auto-negotiating ports (10/100/1000BaseT)
 - Additional 2x10GbE uplink/stacking ports (XAUI)
 - Optional 4 Optical, GbE, or fast Ethernet ports
 - Optical expansion port
- ◆ High performance Layer 2/3+ switching/routing software
 - Extensive IETF RFCs supported
 - Switching, VLANs, Routing, Multicast, Tunneling, QoS
 - SSH, SSL, Secure memory erase
 - Wire-speed IPv4/v6 support
- ◆ Extensive Built In Test (BIT) support
 - Power-up, Initiated, and Continuous BIT
- ◆ Enhanced security with PMC-110 CryptoNet™
 - Statefull Firewall (ICSA certified)
 - Network Address Translation (NAT)
 - Access Control List (ACL) filtering
 - Encryption/Decryption/Authentication
 - VPN with secure tunneling (IPSec/L2TP)
 - Intrusion detection and content filtering
- ◆ IPMI capable (roadmap)
 - Health Monitoring (voltage, current, temperature)
- ◆ Backwards pin-compatible with SVME/DMV-680 SwitchBlade
- ◆ Air-cooled and Conduction-cooled versions
- ◆ Industry leading technical and life-cycle management support

Operational as either a fully managed or unmanaged switch/router, the VME-682 can provide substantial advantages to developers building Layer 2 or Layer 2/3+ networks. By providing a familiar "industry standard" CLI, the VME-682 drastically accelerates time to market by reducing set-up, configuration and maintenance times.

The VME-682 scales to meet small to large platform requirements through flexible 12/20/24 port options. The last four ports can optionally be fast Ethernet (to rear), GbE (to front), or optical (to front) providing maximum port flexibility. Two 10GbE ports enable switch-to-switch stacking (48 ports), dual-redundant networks (fail-over), or for architecting high performance box-to-box 10GbE network backbones. Optionally, rear side expansion ports can be used to enable copper to optical conversions for an all optical switch through a custom media interface adapter card. For conduction-cooled environments, optical ports can easily be routed to the back within minimal tolerances and without infringing on adjacent slots.

Both managed and unmanaged versions of the VME-682 are supported. Management interfaces include CLI, SNMP and Web for easy configuration and network management. Complete layer 2/3 software, Quality of Service (QoS), IP multicasting and security is provided for a feature rich solution that can support the simplest to the most complex network requirements.

The VME-682 can also act as a Unified Threat Management (UTM) router that is capable of strong perimeter defense through an ICSA certified firewall. Additional security features include Access Control List (ACL) filtering, Network Address Translation (NAT), Virtual Private Network (VPN) with tunneling support (IPSec/L2TP), IPv6 ESP/AH payloads, and Encryption/Decryption/Authentication support.

Learn More

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SVME/DMV-682



A Rear Transition Module (RTM) enables easy connectivity through RJ-45 connectors in the lab while Curtiss-Wright's software maintenance program (MNT) provides the latest software updates throughout the VME-682's lifecycle.

Table 1: Specifications

Power	
Managed 24xGbE + 2x10GbE	
Typical	42 Watts
Max	50 Watts
'CryptoNet' – Unified Threat Management	
Typical	10 Watts
Max	12 Watts
Dimensions	
6U VME single-slot	
Height	233.2mm (9.181in)
Depth	159.8 mm (6.293in)
Weight	
Basecard with Security PMC	
SVME	574g (1.3lbs)
DMV	770g (1.7lbs)

Table 2: Ordering Information

Ordering Number Code: SVME/DMV-682-ABCD-EFG		
Code	Part Number	Custom Part
SVME/DMV	SVME	Convection(Air)-cooled
SVME/DMV	DMV	Conduction-cooled
A	0	L0
	1	L100
	2	L200
B	0	less than 24 ports
	1	4 FE – Fast Ethernet (out back)
	2	4 GE – Gigabit Ethernet (out front)
	3	4 FO – SX Fiber Optic
	5	24 FO – SX Fiber Optic
	6	2 10G – XAUI Optic
CD	12	12 GbE ports
	18	16 GbE ports + 2 10G ports
	20	20 GbE ports
	26	24 GbE ports + 2 10G ports
EFG	U5	Unmanaged
	M5	Managed
	M5S	Managed + Security

RTM-682-0024 – Rear Transition Module (recommended)
 LED-682-0024 – Optional LEDs for DMV (lab use)
 CBL-682-0000 – 10G stacking connector
 MNT-682-0000 – Yearly software maintenance subscription

Figure 1: SVME/DMV-682 FireBlade Hardware Block Diagram

