

LAN/WAN/ATM Uplink Switch

for the SmartSwitch 2000 Family

PART# 2M46-04R

PORTS: 2 HSIMS, 2 FEPIMS

UPLINKS: LAN, WAN, ATM

Features

- ▶ Two High-Speed Interface Module (HSIM) slots and two Fast Ethernet Port Interface Module (FEPIM) slots support optional integrated ATM, FDDI, WAN, Gigabit Ethernet, Fast Ethernet and Fast Ethernet-over-SONET connectivity
- ▶ ASIC-based SmartSwitch design delivers over 400,000 packets per second of throughput
- ▶ Available with internal, redundant AC or DC power supplies
- ▶ Support for the emerging IEEE 802.1Q draft standard ensures multivendor VLAN interoperability
- ▶ Supports a smooth migration to Layer 3 switching and provides other multi-layer services that simplify network operation and control while enhancing performance
- ▶ Full RMON support
- ▶ Port trunking, port mirroring and broadcast control services



Overview

Providing customers with a flexible, high-performance switching solution, Cabletron's 2000 series of modular workgroup switches offers a fully optional configuration consisting of two High-Speed Interface Module (HSIM) slots and two Fast Ethernet Port Interface Module (FEPIM) slots for high-speed LAN-to-LAN or LAN-to-WAN translational switching services.

An economical, one-box solution ideal for Internet service providers, the SmartSwitch 2000 series can be configured to provide ATM, FDDI, WAN and Gigabit Ethernet connectivity through its two HSIM slots, and Fast Ethernet as well as Fast Ethernet-over-SONET connectivity through its two FEPIM slots. Flexibility in media and technology provides network managers with the ability to customize individual configurations with as little effort and cost as possible, and without added complexity. Dual load-sharing power supplies are included. DC power, a requirement in many central offices, is also available. The 2000 series provides a simple and cost-effective method for customers to bring new and developing technologies into the existing network infrastructure while preserving their initial investment.

Corporate

35 Industrial Way
Rochester, NH 03867
U.S.A.
(603) 332-9400

Europe/MiddleEast/Africa

Newbury Business Park
London Road, Newbury
Berkshire, England RG13 2PZ
44-1635-580000

Asia Pacific

85 Science Park Drive
#03-01/04
The Cavendish
Singapore 118259
65-775-5355

Unit 8

Allambie Grove Business Estate
25 Frenchs Forest Road
Frenchs Forest NSW 2086
Australia
61-2-9950-5900

Latin America

Blv. Adolfo Ruiz Cortinez, 3642
Piso 6
Col. Jardines del Pedregal
C. P. 01900
Mexico, D. F.
525-490-3400

Av. Jurubatuba, 73-3º andar
CEP 04583-100
São Paulo, SP
55-11-5506-2888

Internet

www.cabletron.com

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systems
The Complete Networking Solution™

Specifications

Technical

- ▶ Processor Intel i960 HT RISC Processor
- ▶ Switching Engine Custom ASIC
- ▶ MAIN Memory 20 MB
- ▶ BUFFER Memory 4 MB
- ▶ FLASH Memory 4 MB
- ▶ Address Table Size 8,192 addresses
- ▶ Performance 400,000 pps (64 byte packets)
- ▶ Throughput Capability

Physical

- ▶ Interfaces Two High-Speed Interface Module (HSIM) slots and two Fast Ethernet Port Interface Module (FEPIM) slots
- ▶ Dimensions 2.8"H x 17"W x 18.5"D
- ▶ Product Weight 9.5 lb.
- ▶ MTBF (predicted) >200,000 hours

Environmental

- ▶ Operating Temp. +5° to +40°C (41° to 104°F)
- ▶ Non-Operating Temp. -30° to +73°C (-22° to 164°F)
- ▶ Operating Humidity 15% to 90% (non-condensing)
- ▶ Power Consumption Voltage Range: 100 - 125 Vac or 200 - 250 Vac
Frequency Range: 50 - 60 Hz

Management

- ▶ In-Band Via SNMP using SPECTRUM Enterprise Manager, Element Manager or Portable Management Applications
- ▶ Out-of-Band Via RS-232 COM Port

Ordering Information

Part #	Description
2M46-04R	Standalone SmartSwitch 2000 with two High-Speed Interface Module (HSIM) slots, two Fast Ethernet Port Interface Module (FEPIM) slots and redundant internal AC power supplies [HSIMs and FEPIMs sold separately]
2M46-04RDC	Standalone SmartSwitch 2000 with two High-Speed Interface Module (HSIM) slots, two Fast Ethernet Port Interface Module (FEPIM) slots and redundant internal DC power supplies [HSIMs and FEPIMs sold separately]