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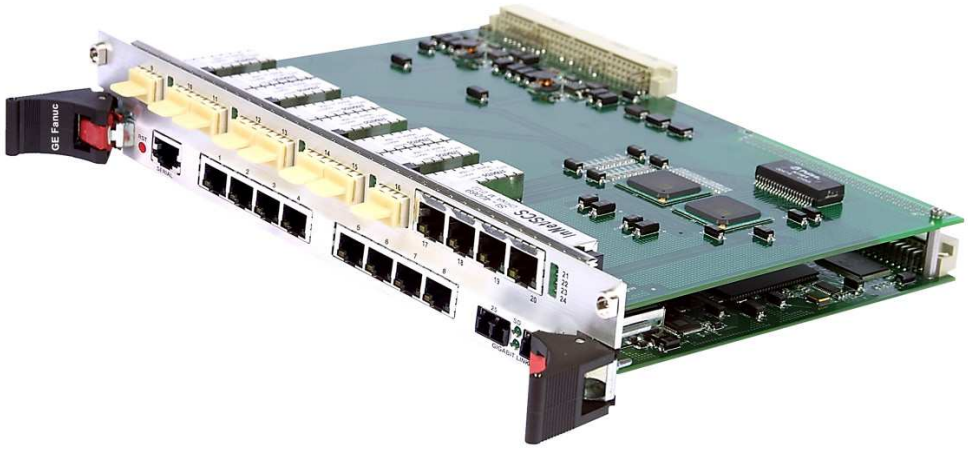
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RM935

26 Port VME Managed Switch

Designed to support managed Ethernet routing switches, the RM935's highly scalable and flexible architecture provides a broad range of high performance Ethernet workgroup switches that include VLAN, QoS, SNMP, Spanning tree, etc. The RM935 can run in a VME chassis that only provides power.

FEATURES:

- Two 10/100/1000BaseSX or LX Gigabit Ethernet ports (LC, VF-45 or MT-RJ connector options)
- Eight 100BaseFX Ethernet ports (LC connectors)
- Sixteen 10/100BaseTX Ethernet ports
  - 12 front (RJ45 connectors)
  - 4 rear
- RS232 serial port
- Runs Linux Operating System
- MDIX feature to allow detection of cross and non-cross cables
- Link aggregation to all ports in groups up to 8 for 10/100 Mbps and 2 for Gigabit ports
- Broadcast and multicast storm control with configurable per port settings
- Full wire speed on all ports
- Layer 2/3/4
  - Packet by packet IP and IPX routing in hardware
  - Layer 4 application level intelligence for IP switching and routing
  - Layer 2 switching for protocols other than IP and IPX
  - Automatic recognition of Ethernet Type II,
  - 802.3 and SNMP packets
  - 32 IP network per device with no per port limit
  - The same IP network can span multiple ports
  - IP nodes can belong to up to 3 multicast groups on any port
- IEEE standards
  - 802.1D, Priority and Class of Service standard
  - 802.1Q VLAN standard
  - 802.3, 802.3u, 802.3z, 802.3x
  - Proposed 802.1ad
- VLAN Configuration
  - 802.1Q tag
  - Ports
  - Multicast Ethernet address
  - Protocols
- Filtering
  - Ports
  - Source Ethernet, IP or IPX address
  - Destination Ethernet, IP or IPX address
  - Source-destination Ethernet, IP or IPX address pairs
  - End to end IP application
  - Protocols
- Class of Service
  - 802.1q tags
  - Ports
  - Source Ethernet, IP or IPX address pairs
  - Source-destination Ethernet, IP or IPX
  - address pairs
  - End to end IP application
  - Protocols
- Port Mirroring
  - Ports
  - Source Ethernet, IP or IPX address pairs
  - Destination Ethernet, IP or IPX address pairs
  - Source-destination Ethernet, IP or IPX
  - address pairs
  - End to end IP application
  - Protocols
- Bandwidth Management
  - Source Ethernet, IP or IPX address pairs
  - Destination Ethernet, IP or IPX
  - address pairs
  - Source-destination Ethernet, IP or IPX
  - address pairs
  - End to end IP application
- Queues
  - Four queues for CPU packets; to allow prioritizing of packet types
  - Four queues for unresolved packets to CPU; to allow prioritizing of unresolved types
  - Four queues per port with user configurable priorities and weighted fair queuing
- Uses back pressure for half duplex flow control
- System Software Support:
  - 802.1q Spanning Tree Algorithm
  - RIP, IPX/RIP, IPX/SAP, OSPF, DVMRP
  - Frame status collection and reporting
  - DHCP
  - SNMP Management
  - Telnet or Local control console via RS232
  - BPDU, GVRP, GMRP, IGMP packets

abaco SYSTEMS

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RM935 *26 Port VME Managed Switch*

Components

- Ports: 16 x 10/100BaseTX
  6 x 100BaseFX
  2 x 1000BaseSX/LX
- Port routing:
  - Front: 12 x 10/100BaseTX (RJ45)
    8 x 100BaseFX (LC)
  - 2 x 1000BaseSX/LX (LC, VF-45, MT-RJ)
  - Rear: 4 x 10/100BaseTX
- Switching:
  - Management: Managed
  - Layer: 2, 3, & 4

Serial Characteristics

- Ports: 1 x RS232
- Port Routing: Front, 1 x RJ45 serial port

Power Specifications

- Power (Total): 27 watts
- @5 V: 5.4 amps

MTBF

- MIL 217-F Nav Shel 25 °C: 188,000 hours

Form Factor

- VMEbus 6U dual slot

Temperature

- Operating: 0 to +60 °C
- Storage: -40 to +85 °C

Humidity

- Operating: 5% to 95% noncondensing
- Storage: 5% to 95% noncondensing

Conformal Coating

- Yes, additional charge

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