General DataComm
Best Connections in the Business

PacketMATE 1200

Low Cost, Feature-Rich T1/E1 Premise Router

Introduction

GDC's PacketMATE 1200 is a versatile, low cost, high perrformance premise router that supports up to four T1/E1 ports. The PM1200 also provides many advanced business-class features, such as NAT firewall, QoS, VPN, dynamic routing, line bonding, peer-to-peer traffic control, VoIP gateway, and more. This extensive feature set makes it an ideal router for networking applications that require an affordable router with advanced features and wire-speed performance.

The PacketMATE 1200 includes a cool running VIA C7 processor, 256 MB memory, four 10/100 ethernet ports, and an expansion slot for a variety of network adapters. The device can be bundled with single, dual or quad port adapters for synchronous serial or T1/E1 applications, and it supports optional interfaces for ethernet, FXO/FXS, basic rate ISDN (BRI), and 56 K dial-up.

PM-1200 includes modular support for WAN protocols including PPP, Cisco HDLC, frame relay, and ATM. Its real-time port status and performance monitoring features help to simplify troubleshooting for LAN and WAN connections.

Intended Use

PM-1200 is part of GDC's line of high performance low cost routers. It is designed for use in branch offices and other small-scale premise routing applications. It offers wire-speed performance and unwavering reliability in a small but durable steel chassis.

The PM-1200 can replace Cisco 1800 and 2800 series routers, and it provides a low-cost solution for virtual private network (VPN) and quality of service (QoS) applications where wirespeed performance is required.

Feature Highlights

- Low cost T1/E1 premise router
- Powerful CPU forwards 100 Mb ethernet at full speed
- Small footprint allows installation almost anywhere
- Replaces Cisco Models 1800 and 2800
- Four onboard 10/100 ethernet ports
- Lawful intercept including CALEA
- Routes four T1/E1 ports at wire speed
- VoIP gateway and SoftPBX
- PowerCode(TM) OSS ready
- Runs on LINUX(TM) OS
- 31-day performance guarantee;
- 1 year warranty on parts and labor;
- Free 24/7 support for 1 year
- Free software upgrades

Front/Rear Panel Features

- Front panel LEDs provide status information for power and LAN connections.
- Power LED shows power is on and supplying the unit.
- 10/100 ethernet ports allow flexible LAN connectivity.
- Console port set up via modem or laptop.
- Rear panel expansion slot allows for add-on network cards.
- Power connector has a retainer to prevent accidental disconnection.

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Physical Specifications

Hardware

Chassis: Steel desktop device
Processor: 1 GHz VIA C7
Memory: 256 MB SDRAM
Storage: Fixed flash disk
Network Ports: Four 10/100 ethernet
Management Port: Serial console

Expansion Interface

One 32-bit 33 MHz expansion slot

Dimensions

Height: 2.0 inches (50 mm)
Width: 8.9 inches (230 mm)
Depth: 8.0 inches (205 mm)
Weight: 2.6 lbs. (1.2 kg)

Electrical Specifications

Power Supply Design: External AC-DC adapter

AC Mains: 100 - 240 VAC, 50/60 Hz

DC Output: 15 VDC at 4 amps

Power Output: 60 W

Options

Memory Card Options:
512 MB, 1 GB or 2 GB

LAN Card Options:
1-, 2-, and 4-port gigabit ethernet

WAN Card Options:
1-, 2- and 4-port sync serial or T1/E1
1-port basic rate ISDN (BRI)
1-port 56 K modem

Voice Card Options
1 to 4-port FXO/FXS
1-, 2- and 4-port ISDN BRI
1-, 2- and 4-port T1/E1 PRI

Software Features

Linux -based OS
High-performance kernel
Scalable platform
Menu-driven configuration
PowerCode BMU function
VoIP gateway and SoftPBX
Web caching
Web filtering with Netsweeper
Intrusion detection and prevention
VoIP capture and analysis
On-line and off-line upgrades
Local and remote logging
Real-time monitoring
Quality of Service (QoS)
Bandwidth limiting
Packet filtering
Port forwarding
Packet processing by PVC
Peer-to-peer traffic control
System scheduler
PPP, Cisco HDLC, and frame relay
MLPPP and MLFR
PPPoE and PPPoA client and server
ATM and IMA
CEF-compatible bonder
RIP and OSPF dynamic routing
SNMP and NetFlow accounting
NAT firewall (1:1 and 1:many)
NTP clock synchronization
T1/E1 drop and insert
LAN and WAN bridging
Concurrent bridging and routing
Secure telnet (ssh v.2)
L2TP tunneling (LNS and LAC)
GRE, IPIP and CIPE tunneling
Remote RADIUS
TACACS+
DHCP client and server
IPSec and SSL VPNs
VRRP router failover
Lawful intercept
VLAN tagging
IPv6

Front Panel

Rear Panel

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