

High performance Managed Edge Router



PENTAS-300X

PENTAS-300X Series is a High Performing Multi-Process, Managed Edge Router, ideally suited for Managed SME Network Remote Edge locations. **PENTAS-300X** offers routing and a variety of inbuilt security features over a wide range of WAN Interfaces. It comes inbuilt with the PENTAS-OS with features including Licence Free Stateful Firewall, Licence Free VPNs, ACL's, On box Web, URL and Content Based Filtering and customizable IDS/IPS. With Centralised Management using PENTAS LITEview, the **300X** Series Hardware Managed Router Platform offers a complete Secure WAN solution.

Key Features

- 120kpps performance
- 4 Onboard 10/100/1000Base Tx Ethernet Interfaces
- Fixed WAN slots
- Onboard Aux, Console & USB ports
- Inbuilt 256 MB Flash Memory
- Inbuilt 512 MB DRAM
- WAN interface options include E1/V.35/ISDN
- Static Routing
- Dynamic Routing : RIP v1 & v2, BGPv4, OSPFv2
- Stateful Firewall
- IPsec & SSL VPN's
- IDS/IPS Customizable database
- ACL's
- Web, URL & Content Filtering
- Graceful Restart, Safe Rollback & Fail-over support

Management

- PENTAS-LITEview NMS Platform for Windows and Linux
- CLI Based Console Port
- Telnet
- SSH
- Minimal Touch Deployment & Configurator Tool
- GUI for EMS/NMS
- SNMP
- SLA Monitoring & Performance Measurement
- 3rd Party WAN Routers Device Monitoring

Description

With increased expansion of small and home office users of Enterprises & Service Providers, there is an exponential rise of traffic in the Intranet/Internet with businesses demanding more mission-critical application implementation. Hence there is a need to provide a high performing hardware and content rich software.

PENTAS-300X series is a Remote Managed EDGE Router providing integration of networking features such as Routing, QoS, Firewall, ACL's, VPN's, IDS/IPS, Content Filtering based on the inbuilt PENTAS-OS over a wide range of WAN Interfaces, all in one single chassis. The SNMP managed device supports features that are essential for customer access provisioning.

Content rich management features for **PENTAS-300x** series is provided by the PENTAS-LITEview NMS. Features such as Minimal Touch Deployment, Graceful Restart, Safe Rollback, SLA Monitoring & Remote Configuration and Performance Monitoring provide an enhanced level of control & visibility of the entire network required for NGN's. Any remote **PENTAS** device anywhere in the network can be In-Life Realtime Managed with tools for configuration, monitoring and diagnostics at the click of a button.

Technical Information

Hardware specifications

- **LAN interface**
4 onboard 10/100/1000 Ethernet ports
- **WAN Interface options**
1-2 port E1
1-2 port V.35 High Speed Interface
1-port ISDN BRI S/T Interface
- **Memory**
512 MB DRAM
256 MB Flash Memory
- **In-built Aux, RS-232 based Console, 2*USB ports**

Software specifications

- **Unicast Routing Features**
Static Routing
RIP v1 and v2
OSPFv2
BGPv4
Route Re-distribution
ECMP
Per-packet load balancing
- **Multicast Routing Features**
IGMP v2
PIM-SM, PIM-DM
- **IP Addressing Features**
Static
DHCP Server, Client & Relay
- **Encapsulation**
Ethernet
802.1Q
PPP
MLPPP
HDLC

Technical Information

- **Security Features**
 - ACL's (Standard and Extended)
 - Time Based ACL's
 - Stateful Firewall
 - NAT
 - PAT
 - Failover Support
 - RADIUS
 - TACACS+
 - IP Accounting
 - URL, Keyword, Domain & File-Extension Filtering
 - IDS/IPS
 - TCP & IP Reassembly
 - Network Attack Detection
 - DOS/DDOS Protection
- **VPN Features**
 - IPSec Site-to-Site
 - IPSec remote access clients
 - DES, 3DES, AES, SHA-1, RSA, MD-5 Encryption / Authentication
 - GRE / L2TPv3 & IP/IP Tunneling
- **Traffic Prioritization & Management Features**
 - QoS
 - Policing, Shaping & Marking
 - Class Based QoS with Prioritization
 - Priority Queuing
 - Flow Based Queuing
 - Rate Limiting
 - Time Based QoS
 - Low Latency Queuing
 - Fair Queuing
- **Redundancy/Failover Features**
 - VRRP with Tracking
 - Graceful Restart
 - Safe Rollback
 - Redundant Interface
 - NAT Failover
 - Firewall Failover
 - VPN Failover
- **Management features**
 - CLI through local RS-232 console port
 - Remote Configuration through TELNET & SSH v1,v2
 - Admin and user support & password change
 - Access Privilege Levels & Rights
 - Support to upload and download files
 - Dual Configuration Files (Primary & Secondary)
 - Dual Software Image Files (Primary & Secondary)
 - PENTAS-LITEview Network Management System for Windows and Linux
 - GUI for EMS/NMS
 - SNMP v1, v2
 - 3rd Party WAN Routers Device Monitoring
- **Power supply**
 - Universal 100-240V auto-ranging AC power supply, 50-60 Hz, 160W
- **Environmental Conditions**
- **Operating temperature :**
 - 0°– 50°C
- **Storage temperature :**
 - 40° to 70°C
- **Humidity :**
 - 5% to 90%, non-condensing
- **Physical Dimensions :**
 - 1U High (H x W x D) : 1.75 x 17.5 x 12.25 in
- **Weight:**
 - (Fully Populated): 5 - 6 kg (approx)

Ordering PENTAS-300X

PENTAS-3001V	High Performance Managed Edge Router with 120kpps throughput, 4*GE onboard, 1 V.35 interface, 1 ISDN BRI S/T interface, inbuilt Pentas Operating System & AC universal power supply
PENTAS-3002V	High Performance Managed Edge Router with 120kpps throughput, 4*GE onboard, 2 V.35 interface, 1 ISDN BRI S/T interface, inbuilt Pentas Operating System & AC universal power supply
PENTAS-3001E	High Performance Managed Edge Router with 120kpps throughput, 4*GE onboard, 1 E1 interface, 1 ISDN BRI S/T interface, inbuilt Pentas Operating System & AC universal power supply
PENTAS-3002E	High Performance Managed Edge Router with 120kpps throughput, 4*GE onboard, 2 E1 interface, 1 ISDN BRI S/T interface, Inbuilt Pentas Operating System & AC universal power supply
PENTAS-3000	High Performance Managed Edge Router with 120kpps throughput, 4*GE onboard, Inbuilt Pentas Operating System & AC universal power supply



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