



Go Placidly

DX-3835 Modular Router



DX-3835 router integrates routing, switching, security, VoIP, and transmission functions in single platform. The router adopts fixed and modular structure, provides broadband-narrowband, multiservice and intelligent solutions for enterprises. Dax DX-3835 can access multi- Ethernet nodes such as network ends, PC and video monitor in finance, security, insurance and government sectors.

DX-3835 router provides rich software features such as SNA/DLSw, VoIP, VPN, MPLS, multicast, MAC address binding, and access control and bandwidth restriction. The router provides backup schemes and QoS features. It can be applied for multiple services such as data, video and voice.

High Port Density

The modular architecture of the DX-3835 Modular router allows different interfaces to be populated on a compact unit. DX-3835 has 4 nos. of 10/100/1000M ports, 1 USB interface, 4 WAN slots for WAN/VOIP modules , 2 NM slots for WAN modules and one console port.

High Availability

DX-3835 router assigns traffic to balance the load by providing two or more lines on access/network nodes to reach one uplink server. When some connections fail, traffic can be re-directed on alternate path. DX-3835 provides backup in multiple forms through ISDN or PSTN.

Comprehensive QoS

DX-3835 router adopts hierarchical QoS on Ethernet ports to realize bandwidth control and bandwidth allocation for different services. The QoS service of DX-3835 router supports RSVP, CAR and queue policies such as FIFO, PQ, CQ, FQ, CBWFQ, RED, WRED and LLQ to ensure priorities of key services.



Go Placidly

Enhanced Security

DX-3835 supports MPLS, L2TP and IPSec, which deploys VPN networks from Layer 2 to Layer 3. Multiple services can be executed on a single physical network during interconnection of branch offices by various lines to ensure security and save cost. DX-3835 is configured with inbuilt 802.1X and firewall to provide access authentication of users and network devices in branch offices. DX-3835 supports ACL packet filtering, NAT, PAT, certification audit, routing verification, and callback service.

Production Configuration

Product	10/100/1000M Ethernet port	Console port	WAN Slots	NM Slots	High Speed AIM Slot	CF Card Slot	USB Port
DX-3835	4	1	4	2	1	1	1

Features and Benefits

- Modular and flexible configuration
- High performance – 400Kpps
- Comprehensive security
- Multi WAN load balance
- High Network availability
- End to end QoS services
- In-built hardware encryption
- Integration of Broadband and Narrowband
- Bandwidth Optimization
- Congestion Management
- Supports in built 802.1x and Firewall
- IPsec capability
- Re-distribution of routes



Go Placidly

Hardware Specifications



Technical Specifications

Model	DX-3835
Processor	High-speed Multi-core RISC processor
SDRAM	256MB memory Upgradeable to 1GB via additional slot
Flash	64 MB Default Upgradeable to 2GB via CF card slot
Backplane Bandwidth	Minimum of 100 Mbps
Performance	400Kpps
WAN Slots	4
NM Slots	2
Ethernet Ports (On-Board)	4 # 10/100/1000 Base-T
USB Interface	1
High Speed AIM Slot	1
CF Card Slot	1
Console port	RJ45 ~ RS232
RPS Slot	1
Physical & Environmental	
Power Supply	Input AC Voltage:100-240V, 50-60Hz Input DC Voltage: -40 -57V, 4A
Power consumption	100W
Operating Temperature	0~45 °C
Operating Humidity	10~95%, RH, (non condensing)
Dimensions (W x D x H)	444X380X88.6(mm)
Weight	16 Kg
Size	19" Rack Mountable
LED Indicators	SYS- System PWR- Power Supply FAN - Fan Indicator CF State (CF card indicator) CON/AUX : TXD, RXD Ethernet Port Indicators: 1000M, LINK/ACT
Certification	CE, FCC



Go Placidly

Link Protocols	PPP MLPPP (Multilink PPP) PPP Compression PPPoE SLIP SDLC Frame Relay(LMI & Annex.D & ITU Annex A) Data Compression for Header & Payload (FR, Leased Line and dialup) Frame Relay Switching ATM LLC2 ISDN X.25 HDLC LAPB Ethernet_II Ethernet_SNAP 802.1Q MSTP Virtual Ethernet bridge Bridge
Dial -Up	MODEM dialup (call in/call out) Call Back Dial-on-demand Dialup backup
Network Protocols	TCP/IP (Ipv4 and IPv6) ICMP UDP FTP / TFTP RLOGIN DHCP / DHCPv6 DHCP Server / DHCP Relay/ DHCP Client DNS / DDNS ARP Proxy ARP DLSw DDR NAT NTP IPFIX
Routing Protocols	Static routing protocol RIPv1 ,RIPv2 OSPF,OSPFv3 BGP4 IS-IS NDSP IRMP SNSP Policy Based Routing (PBR) MVPN Load Balancing



Go Placidly

IPv6	RIPng OSPFv3 IPv6 to IPv4 Tunneling Address Translation IPv6 ND IPv6 PMTU IPv6 FIB IPv6 ACL
Multicasting	IGMP DVMRP MSDP MBGP PIM-SM/DM/SDM/SSM
Redundancy	VBRRP Virtual Router Redundancy Protocol (VRRP)
QoS	First Input & First Output (FIFO) Priority Queue (PQ) Custom Queue (CQ) Weighted-Fair Queue (WFQ) Class-Based Weighted Fair Queue (CBWFQ) Low Latency Queuing (LLQ) RSVP DSCP Committed Access Rate (CAR) Selective Packet Discard Random Early Detection (RED) Weighted Random Early detection (WRED) Traffic Shaping
Security	PPP Encryption PAP/CHAP MD5 L2TP, L2TPv3 GRE tunneling IEEE 802.1x TACAS RADIUS AAA ACL IPSEC IKE CA PKI LDP 3DES/IPSec encryption LED for monitoring operation status Protocol Debugging via console



Go Placidly

MPLS	MPLS VPN MPLS L2/L3VPN MPLS TE VPLS MPLS over PPP
IP Phone	H.323 Protocol H.225 H.245 RTP/RCTP RTP Condensation T.38/T.30 G.711A/u G.729 G.729A/B G.723.1 (5.3/6.3K) SIP
Management	SNMPv1/v2/v3 SNMP MIB-II RMON (1,2) for (Alarms, Events, History) Web Based(HTTP) Command Line Interface(CLI) Telnet Console (RS-232) Syslog Ping Traceroute FTP/TFTP upload and download SSH External NMS
RFC Standards	RIP v1 (RFC 1058) RIPv2 (RFC 1722 & 1723) OSPFv2 (RFC1583 & RFC 2328) OSPF on demand (RFC 1793) BGP4 with CIDR implementation (RFC 1771) BGP4/IDRP for IP/OSPF Interaction (RFC 1745) IS-IS (RFC 1195) PPP (RFC1661) MIB-II (RFC 1213) Multi-link PPP (RFC1717) Multiprotocol Interconnect over Frame Relay (RFC1490) Inverse Address Resolution Protocol (RFC1293) VRRP (RFC 2338) RSVP (RFC 2205) IGMP v1/v2 (RFC 2236) PIM-SM(RFC 2362) Definition of the Differentiated Services Field (RFC 2474,2475, 2598 & 2597)



Go Placidly

Ordering Information

Item	Description
Dax DX-3835	Modular router with 4 nos. of 10/100/1000M ports, 1 USB interface, 4 WAN slots for WAN/VOIP modules, 2 NM slots for WAN modules, 1 CF card slot, 1 AIM encryption slot, 400 Kpps throughput, 64MB flash upgradable to 2GB, 256MB memory upgradeable to 1GB, 1# AC power supply included and one additional free slot for redundant power supply Module
Dax DX-3835-A	Modular router with 4 nos. of 10/100/1000M ports, 1 USB interface, 4 WAN slots for WAN/VOIP modules, 2 NM slots for WAN modules, 1 CF card slot, 1 AIM encryption slot, 400 Kpps throughput, 64MB flash upgradable to 2GB, 1# AC power supply included and one additional free slot for redundant power supply Module
Dax DX-3835-DC	Modular router with 4 nos. of 10/100/1000M ports, 1 USB interface, 4 WAN slots for WAN/VOIP modules, 2 NM slots for WAN modules, 1 CF card slot, 1 AIM encryption slot, 400 Kpps throughput, 64MB flash upgradable to 2GB, 256MB memory upgradeable to 1GB, 1# -48V DC power supply included and one additional free slot for redundant power supply Module
Memory	
DDR400-256S	256Mbytes memory
DDR400-512S	512Mbytes memory
DDR333-1024S	1024Mbytes memory
CF Card	
CF-2GB	2G CF card
WAN Modules	
RM2-1SAE	One-port High speed Serial (2 Mbps) Sync / Async WAN Interface module(V.24/V.35)
CAB-DB25FC-S-V35MT - 1 No.	V.35 Cable, M34 Male, DTE, cable for RM2-1SA
RM2-1M336	One-port 33.6Kbps frequency band MODEM module
RM2-1CE1	One-port Channelized E1/ ISDN PRI Interface Module
CAB-RJ45F-2BNCM - 1 No.	Cable for RM2-1CE1 /RM2-1E1
RM2-1E1	One-port E1 (G.703 Interface) Module
CAB-RJ45F-2BNCM - 1 No.	Cable for RM2-1CE1 /RM2-1E1
RM2-1U	One-port ISDN U WAN interface module
CAB-RJ11M-OPEN - 1 No	Cable for RM2-1U
RM2-1STA	One-port ISDN S/T WAN Interface Module
CAB-RJ11M-OPEN - 1 No	Cable for RM2-1STA



Go Placidly

RM2-8AX	Eight-port Async Serial Module used in expansion slot
CAB-DB60MA-8RJ45FC - 1No + CONNECTER-RJ45F-DB25FC- 8Nos.	Cable from DB60 MALE TO 8 RJ45 FEMALE + 8 Nos. of RJ45-DB25 DCE convertor for RM2-8AX
RM2-1VOP	One-port FXS module (suits for MIM slot)
CAB-RJ11M-S-RJ11M - 1 No	Cable for RM2-1VOP
RM2-2VOP	Two-port FXS module
CAB-RJ45M-OPEN - 2 Nos.	Cable for RM2-2VOP
RM2-1VOS	One -port FXO module
CAB-RJ11M-OPEN - 1 No	Cable for RM2-1VOS
RM2-2VOS	Two-port FXO module
CAB-RJ45M-OPEN - 2 Nos.	Cable for RM2-2VOS
NM Modules	
RM3B-4SAH	Hot swappable Four-port synchronous/asynchronous serial-port module
CAB-DB50M-S-2DB44F -2Nos + CAB-DB44M-S-M34M - 4 Nos+ CAB-DB44M-S-DB25M - 4 Nos	4 port V.24 cable with 4# V.35 converter for RM3B-4SAH
CAB-DB50M-S-2DB44F -2Nos +CAB-DB44M-S-M34M - 4 Nos	4 #V.35 convertor for RM3B-4SAH
RM3B-4E1H	Hot swappable Four-port non-channelized E1(G.703) module
CAB-DB40M-S-8BNCM	BNC Cable for RM3B-4E1H/RM3B-4CE1H Module
RM3B-4E1BH	Hot swappable Four-port non-channelized E1(G.703) module with RJ-45 interface cable
RM3B-8E1H	Hot swappable Eight-port non-channelized E1(G.703) module
CAB-DB40M-S-16BNCM - 1No	BNC Cable for RM3B-8E1H module
RM3B-8E1BH	Hot swappable Eight-port non-channelized E1(G.703) module with RJ-45 interface cable
RM3B-4CE1H	Hot swappable Four-port channelized E1/ ISDN PRI module
CAB-DB40M-S-8BNCM	BNC Cable for RM3B-4E1H/RM3B-4CE1H Module
RM3B-4CE1BH	Hot swappable Four-port channelized E1/ ISDN PRI module with RJ-45 Interface cable



Go Placidly

RM3B-8CE1H	Hot swappable Eight-port channelized E1/ ISDN PRI module
CAB-DB40M-S-16BNCM - 1No	BNC Cable for RM3B-8CE1H module
RM3B-8CE1BH	Hot swappable Eight-port channelized E1/ ISDN PRI module with RJ-45 Interface Cable
RM3B-4UH	Hot swappable 4 Port ISDN U module
CAB-RJ45M-OPEN	Cable for RM4B-4UH module
RM3B-1ATM-OC3H	Hot swappable One-port 155M ATM module (155M SFP optical module is required)
RM3B-1POS-OC3H	Hot swappable One-port 155M POS module (155M SFP optical module is required)
RM3B-1CPOS-OC3H	Hot swappable One-port 155M CPOS module (155M SFP optical module is required)
RM3B-24FETH	Hot swappable 24-port 10/100M Ethernet module
RM3B-4M336H	Hot Swappable Four-port frequency band modem module
RM3B-4GET4GEFH	4-port Gigabit electric port + 4-port Gigabit optical interface (SFP module is required)
IPSec	
IPSec IOS	Hardware & Software for IPSEC DES / 3DES / AES
Optical module	
SFP-S2-L03P3	155M single mode optical module (transmission distance: 20km, LC interface, PECL interface level, wavelength: 1310nm), adopts RM3B-1ATM-OC3H, RM3B-1POS-OC3H, RM3B-1CPOS-OC3H.
FIBER -LCMS-S-LCMS - 2 Nos	LC to LC Single-mode Dual-head Fiber Jumper
SFP-M2-L03P8	155M Multimode optical module (transmission distance - 2km, LC interface, PECL interface level, wavelength - 850nm), adopts to RM3B-1ATM-OC3H, RM3B-1POS-OC3H, RM3B-1CPOS-OC3H
FIBER -LCMMU-S-LCMMU - 2 Nos	LC to LC Multi-mode Dual-head Fiber Jumper
Power supply Module	
AD150-1D002N	AC power supply module for DX-3835/3885
DD100-5D002N	DC power supply module for DX-3835/3885



Go Placidly

DX-3835 is brought to you by Dax (An Apcom Company) one of India's most renowned, technically qualified Data/ Voice Networking vendor. Dax offers an India-Centric, diverse product range which conforms to the highest world standards and meets the "edge to core" networking technology needs of all verticals. Dax is probably the most respected independent OEM supplier in India.

In the last 25 years, Dax has made wide country inroads through its Enterprise networking partners and national ADSPs. Dax is synonymous with high business ethics, consistent quality, optimized performance and support- commitment to Indian customers which supersedes MNC standards. Dax continues to synergistically work with Indian Customers to design products and networking solutions.

Today, Dax is the one of the **Top Networking companies** in India. We have achieved this status by a combination of relentless single-minded focus on cutting edge Networking technologies and a proud dedication (since 1986), to true professionalism.

Other Dax Offerings

<p>Access</p> <p>Routers</p> <p>Wireless</p> <p>LAN Extender</p> <p>Network Attached Storage</p>	<p>Connectivity</p> <p>Switches</p> <p>Cabling</p> <p>Interface Converters & Modems</p> <p>IP Surveillance</p>	 <p>Dax Networks Limited</p> <p>NO: 11, 2nd Cross Street, Karpagam gardens, Adyar Chennai-600 020.</p> <p>Ph: 044-4292 3558 ;Fax: 044-42923567</p> <p>Toll Free :1800-4255-Dax</p> <p>E-mail: help@dax.in</p> <p>Website: www.daxnetworks.com</p> <p>An Apcom Company</p>
---	---	---