



Dax DX-1831F



Introduction

DX-1831F Modular Routers can provide SMB enterprises and branch offices of large enterprises with a high price performance solution so as to meet their requirements of interoperability and deliver concurrent services of data at optimal throughput.

DX-1831F Modular Router adopts Fixed and modular design. Additionally, DX-1831F can serve as access routers for applications of LAN-to-LAN and multiple services, adapted to small-to-medium-sized enterprises with many advantages such as high performance, security and reliability.

High Port Density

DX-1831F along with its rich software features provides a variety of physical WAN connectivity options. The router accommodates 2 fixed 10/100 Base T fast Ethernet ports, 1 # Console, 1 # AUX, 2# High speed Sync /Async Ports and 1# WIC slot.

The WAN/LAN port satisfies the network establishment and makes flexible configuration. DX-1831F supports Routing, switching integration which greatly decreases the amount of user device and fully optimizes the user environment.



High Performance

DX-1831F Router provides powerful CPU and advance bus technology which ensures the performance of network applications. The Router supports security features such as Access control list, VPN and other security measures which ensure full security in data transfer.

DX-1831F Router supports routing speed of up to 60Kpps providing advanced QoS, security and network integration features that would be required in today's evolving networks.

QoS policies:

DX-1831F router provides unmatched Layer 4 QoS to utilize the bandwidth ensuring optimal network performance. It also helps in classification, prioritization, traffic shaping which offers reliable connectivity for enterprise applications including Voice, video and data. DX-1831F Router supports a variety of QoS features and congestion management queuing strategies such as PQ, CQ, FIFO, WFQ, and CBWFQ; Congestion avoidance strategies such as WRED,RED; traffic shaping strategy and CAR traffic policing strategy.

Using priority control, DX-1831F router can discard non-conformant traffic in the network. DX-1831F routers offer Traffic shaping to control traffic limit on each port. When traffic policing monitors various service levels, traffic shaping offers technology to limit ingress and egress traffic on every port. This exceeds the satisfaction of the user by deploying this chassis to achieve efficient and significant WAN requirements. Traffic shaping plays a dominant role especially.

Security

DX-1831F Modular router supports Authentication, Authorization and Accounting (AAA) and also supports RADIUS authentication protocol.

DX-1831F routers support IPsec and multiple protocols (such as L2TP and GRE) to guarantee comprehensive network security service as well as network performance.

Management

DX-1831F Modular Router has a management SNMP interface that empowers control and configures the router from a NOC/Central Location. This simplifies the management, troubleshooting and

and configurations and satisfies the business needs easier. RMON support provided for effective network management.

DX-1831F Modular router also supports various in-band and out-band management technologies. Multiple routers grouped or scattered inside a single or multiple networks can be managed, monitored and controlled from a remote site using any SNMP based network management software. The device supports one AUX port for the router to be managed from a remote link typically a PSTN line.

Product Configurations:

Model	10/100Mbps Ethernet Port	Console Port	Auxiliary Port	Fixed High Speed Serial-port	WAN Interface slot
DX-1831F	2	1	1	2 Sync/Async Ports	1

Hardware Specifications

Port	1# Console Port 1# AUX Port 2# 10/100M Fast Ethernet Routing Ports 2# High speed Sync /Async Serials
Slot	1# WIC Slot
Throughput	60Kpps
Boot ROM	512 K
Flash	8 M
SDRAM	64 M
Dimensions (L ´ W ´ H)	445mm×310mm×45mm
Temperature/Humidity	Operating: 0 ~40°C ; 10%~85% non condensing Non-operating: -20 ~65°C ; 5%~95% non condensing

Power Supply	AC: 100~240V, 47~63Hz, 1.2A/230V DC: -36 to -72V, 1.5A
Power Consumption	50 W (max.)

Technical Specifications:

Data Link Layer	<ul style="list-style-type: none"> Frame Relay X.25 LAPB PPP PPPoE (Server/Client) Multilink PPP HDLC SLIP ISDN (PRI/BRI) XoT X.25-TCP 802.1Q MPLS
Network Layer	<ul style="list-style-type: none"> ARP Proxy ARP DNS DNS Proxy NAT ICMP IGMP DHCP (Server/Client/Relay) IP Multicast PIM-DM/SM
Routing	<ul style="list-style-type: none"> Static RIP OSPF BGP-4 BEIGRP (compatible with Cisco EIGRP) DDR, PBR DVMRP
IPv6 support	<ul style="list-style-type: none"> RIPng Static routing Route redistribution OSPFv3 ICMPv6 IPv6 neighbor discovery IPv6 ping
Switching	<ul style="list-style-type: none"> 802.1Q VLAN Port Isolation Port MAC binding

Security	AAA Radius TACACS+ L2TP PPTP GRE IPSec IKE MPLS VPN
Reliability	Port Backup HSRP VRRP
QoS	First Input & First Output(FIFO) Priority Queue(PQ) Custom Queue(CQ) Class-Based Weighted Fair Queue(CBWFQ) Weighted-Fair Queue(WFQ) Random Early detection(RED) Weighted Random Early detection(WRED), DSCP IP Precedence Committed Access Rate(CAR)
Network Management	SNMP V1/2/3 RMON PDP(compatible with Cisco CDP)

Ordering Information:

Dax DX-1831F	Modular Router with 2#10/100 Fast Ethernet ports, 2 # fixed high-speed synchronous / asynchronous serial interface, V.35 Male cables included, 1 WIC Slot for WAN module, one aux port, 8MB Flash, 64MB SDRAM , AC power supply included.
WIC-1T	1-Port High speed Serial (2 Mbps) Sync / Async WAN Interface Card
CAB-DB60-V35MT	V.35 Cable, M34 Male, DTE, cable for WIC-1T
WIC-1B-S/T	1-port ISDN BRI S/T WAN interface card
WIC-1ETH	1 Port 10 Mbps Ethernet WAN interface card
WIC-1UE1	1 Port unchannelized E1(G.703) WAN interface card
CAB-WIC-1E1-RJ45	RJ45(120Ω) cable for WIC-1CE1/WIC-1UE1 Module
WIC-2UE1	2 Port unchannelized E1(G.703) WAN interface card
CAB-WIC-2E1-RJ45	RJ45(120Ω) cable for WIC-2UE1 Module



Dax DX-1831F 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 needs of all Verticals.

Dax is one of India's most respected OEM '**networking-infrastructure**' vendors. Over the past 22 years, Dax has made country wide inroads through its national ADSPs (Authorized Dax Solution Partners) and Star Partners.

Dax is synonymous with high business ethics, consistent quality, optimized performance and support - commitment to Indian Customers which supersedes MNC standards. Our primary focus is to bring in world-class products to India to provide India-centric solutions that enable Indian organizations save their networking capital expenditure. Our years of commitment to quality and service, ensures our position amongst the **Top-5 Networking Brands** in India.

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