



Dax DX-3845F




Introduction:

DX-3845F router offers high price performance solution that meets requirements of interoperability and delivers concurrent services of data at optimal throughputs. DX-3845F Modular Router can be positioned at aggregation level for enterprises and at access level at branch offices of large enterprises.

DX-3845F with its rich software features provides various physical WAN connectivity options. The series has 6 WAN module extension slots to support multi homing and high port density based applications. In addition, DX-3845F can serve as access routers for LAN-to-LAN applications and multiple services of large-medium-sized enterprises, with many advantages such as high performance, security and reliability. Its modular design, industry-leading maintainability and manageability give an extensible networking solution in terms of various density, performance and usability.

Unmatched Routing Performance:

DX-3845F series delivers un-managed performance through its non-blocking and robust architecture with unparalleled backplane bandwidth in a single unit. The router's main controller card enables it to



deliver low packet forwarding delay, efficient data processing and support for high-density ports to ensure satisfactory network applications in high-speed environments delivering up to 600 Kpps performance.

The router in a network improves the productivity of the enterprise business with its high speed routing and uninterrupted backplane bandwidth. DX-3845F series router supports advanced internet routing protocols RIP v1, v2, OSPF, BGP4.

The router supports multiple WAN backup techniques such as E1, CE1 (Channelized E1), and Symmetric Leased Line using V.35 and ensures high uptime to stub network. Apart from link backup options the router also supports VRRP (Virtual Router Redundancy Protocol), router standby protocol for the redundancy of the unit which can also offer link redundancy to the network.

High Port Density:

DX-3845F router has 2 # fixed 10/100/1000 M Gigabit Ethernet ports, 1 # Console, 1 # AUX and 6# Network interface slot.

The WAN/LAN ports satisfies the network establishment and offers flexible configuration. DX-3845F supports routing, switching integration which decreases the amount of user device and optimize the user environment.

QoS policies:

DX-3845F router provides unmatched Layer 4 QoS to utilize the bandwidth, ensuring optimal network performance. It also helps in classification, prioritization, traffic shaping, Diffserv which offers reliable connectivity for enterprise applications including voice video and data. DX-3845F Router supports various QoS features, congestion management queuing strategies such as PQ, CQ, FIFO, WFQ and CBWFQ, congestion avoidance strategies such as WRED, RED and CAR traffic policing strategy.

Using priority control, DX-3845F router can discard non-conformant traffic in the network. DX-3845F routers offer Traffic shaping to control traffic limit on each port. When traffic policing monitors various service levels, traffic shaping limits ingress and egress traffic on every port. Thus deploying this chassis exceeds the satisfaction of the user to achieve efficient and significant WAN requirements. Traffic shaping plays a dominant role especially.



Security:

DX-3845F Modular router supports Authentication, Authorization and Accounting (AAA) and also supports RADIUS authentication protocol.

DX-3845F routers support IPsec and multiple protocols such as L2TP, PPTP and GRE to guarantee complete network security service as well as network performance.

Interoperability:

Interoperability being an important consideration, the DX-3845F adopts all major RFC standards and mainstream IEEE industrial standards for interoperability with third party vendors to ensure protection on investments.

Management:

DX-3845F Modular Router has a management SNMP interface to control and configure the router from a NOC / Central location. This simplifies the management, troubleshooting and configurations and thus meets the business needs easier. Command line interface is a quick system standard configuration interface which helps administrators to configure. Telnet allows easy access to DX-3845F series router from any work location. DX-3845F series routers has SNMP v3 which provides network management and security by authenticating and encrypting packets and ensure that the packets are not damaged and collected securely from the router. RMON support is provided for effective network management.

The DX-3845F 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	10/100/1000 Mbps Gigabit Ethernet Port	Console Port	Auxiliary Port	NM slot
DX-3845F	2	1	1	6

Hardware Specifications:

Port	1# Console Port 1# AUX Port 2# 10/100/1000M Gigabit Ethernet Routing Ports
Slot	6# Network Module Slots
Throughput	600Kpps
Boot ROM	512 K
Flash	32 MB
SDRAM	512 MB
Dimensions (L ´ W ´ H)	445mm×425mm×88mm
Temperature/Humidity	Operating: 0 ~40 deg c ;10%~85% no condensing Non-operating: -20 ~65deg c;5%~95% no condensing
Power Supply	AC: 100~240V, 47~63Hz, 2A/230V DC: -36 ~ -72V, 2.3A
Power Consumption	120 W (max.)

Technical Specifications:

Data Link Layer	Frame Relay X.25 LAPB PPP PPPoE (Server/Client) Multilink PPP HDLC SLIP ISDN (PRI/BRI) XoT X.25-TCP 802.1Q MPLS
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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	<ul style="list-style-type: none"> AAA Radius TACACS+ L2TP PPTP GRE IPSec IKE MPLS VPN
Reliability	<ul style="list-style-type: none"> Port Backup HSRP VRRP
QoS	<ul style="list-style-type: none"> 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)
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Ordering Information :

Dax DX-3845F	Modular Router with 2#10/100/1000 ports, 6 NM Slots, 32MB Flash, 512MB SDRAM, one aux port, AC power supply included.
Dax DX-3845F-DC	Modular Router with 2#10/100/1000 ports, 6 NM Slots, 32MB Flash, 512MB SDRAM, one aux port, DC power supply included.
NM-4T	4-ports Sync/Async Serial (speed: 2Mbps) Network Module
CAB-DB60-2V35MT- 2 Nos.	V.35 Cable, M34 Male, DTE, cable for NM-4T
NM-4B-S/T	4 Port ISDN BRI S/T Network Module
NM-4UE1	4-port unchannelized E1(G.703) Network Module
CAB-4E1-RJ45	RJ-45 (120Ω) cable for NM-4CE1 & NM-4UE1 modules
NM-2CE1	2-port Channelized E1/ISDN PRI Network Module
CAB-2CE1-2RJ45	RJ45(120Ω) cable for NM-2CE1 module
NM-1FE	1 Port 10/100 Base T fast ethernet Network module
NM-2FE	2 Port 10/100 Base T fast ethernet Network module (Only for slot 1 & 2 of DX-3845F)
NM-1GE-TX/SFP	1 Port Gigabit combo(RJ45/SFP) Network module
NM-8 ASY	8 Port Async serial Network Module
CAB-DB68-8DB25	DB25 Male cable for NM-8 ASY
CAB-DB68-8RJ45	RJ45 cable for NM-8 SY
NM-16 ASY	16 Port Async serial Network Module
CAB-DB68-8DB25- 2 Nos.	DB25 Male cable for NM-16 ASY
CAB-DB68-8RJ45 - 2 Nos.	RJ 45 Cable for NM-16 ASY
NM-1CE1	1-port Channelized E1/ISDN PRI Network Module
CAB-1CE1-RJ45	RJ45(120Ω) cable for NM-1CE1 module
NM-4CE1	4-port Channelized E1/ISDN PRI Network Module
CAB-4E1-RJ45	RJ-45 (120Ω) cable for NM-4CE1 & NM-4UE1 modules
NM-8CE1	8-port Channelized E1/ISDN PRI Network Module
CAB-8E1-RJ45	RJ45(120Ω) cable for NM-8CE1 module
NM-16CE1	16-port Channelized E1/ISDN PRI Network Module
CAB-8E1-RJ45- 2 Nos.	RJ45(120Ω) cable for NM-16CE1 module



NM-1E1T1B-S/T	1 port Fast Ethernet ,1 port Sync/Async Serial,1 port ISDN BRI S/T Network Module
CAB-DB60-V35MT	V.35 Cable, M34 Male, DTE, cable for NM-1E1T1B-S/T
NM-1POS-OC3/STM-1-SFP	1 Port POS Network Module (A 155M SFP module need to be installed)
NM-1CPOS-OC3/STM-1-SFP	1 port CPOS Network Module (A 155M SFP module need to be installed)
GSFP-SX	1-port 1000BaseSX SFP module, multi-mode, LC interface, 500 m, wavelength: 850 nm
GSFP-LX-10	1-port 1000BaseLX SFP module, single-mode, LC interface, 10 km, wavelength: 1310 nm
GSFP-LX-50	1-port 1000BaseLX SFP module, single-mode, LC interface, 50 km, wavelength: 1310 nm
GSFP-ZX-80	1-port 1000BaseZX SFP module, single-mode, LC interface, 80 km, wavelength: 1550 nm
FSFP-SX	1-port 100BaseSX SFP module, multi-mode, LC interface, 2km, wavelength: 850 nm
FSFP-SX-1310	1-port 100BaseSX SFP module, multi-mode, LC interface, 2km, wavelength: 1310 nm
FSFP-LX-15	1-port 100BaseLX SFP module, single-mode, LC interface, 15km, wavelength: 1310 nm
FSFP-LX-40	1-port 100BaseLX SFP module, single-mode, LC interface, 40km, wavelength: 1310 nm
FSFP-ZX-80	1-port 100BaseZX SFP module, single-mode, LC interface, 80km, wavelength: 1550 nm


Dax DX-3845F 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.



Other Dax Offering:

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