

BDCOM 2640/2641 Series Router

——SMB Core Router

Proudly presented by Shanghai Baud Data Communication Co. Ltd., BDCOM 2640/2641 is a modular core router for small- and medium-sized businesses (SMB's), an aggregation router for large networks, and a multi-service access platform for medium- and large-sized enterprises and small Internet Service Providers (ISP's). With over 20 modular interface options, BDCOM 2640/2641 handles data, hybrid dial-up access, virtual private networks (VPN's), and multi-protocol packets. Its high-performance, modular architecture protects customers' investment and integrates the functions of several devices into a single, manageable solution. A sub-model with DC power supply, BDCOM 2640/2641-DC is also available.



BDCOM 2640/2641 Series

Application

- Core router for SMB's, aggregation router for large networks, and multi-service access platform for medium- and large-sized enterprises and small Internet Service Providers (ISP's), with data /fax integrated services applications.

Features

Modular design

- Support many network interface cards. Flexible configuration and expansion.

Performance

- Powerful CPU and advanced bus technology guarantee the performance of network applications.

Transfer modules

- Support for transfer modules enables seamless integration of routers and transfer modules, lowering user investment and network down time.

Security

- Firewall, VPN and other security measures ensure the secure data transfer.

Routing protocols

- Support many routing protocols. Support re-distribution of routing information across protocols.

Traffic control

- Support multiple queuing algorithms. Guaranteed bandwidth for key services.

Terminal access

- With BDCOM RouteRAS software, support Telnet-like or dumb terminal applications.

Management/Maintenance

- Easy management/maintenance through rich management options.

Protocols Supported

Data Link Layer	FR, X.25, LAPB, PPP, PPPoE (Server/Client), Multilink PPP, HDLC, SLIP, ISDN (PRI/BRI), LLC2, SDLC, DLSW-SSP, XoT, X.25-TCP, 802.1Q, MPLS
Network Layer	ARP, Proxy ARP, DNS, DNS Proxy, NAT, ICMP, IGMP, DHCP (Server/Client/Relay), IP Multicast, PIM-DM/SM
Routing	Static, RIP, OSPF, BEIGRP, BGP-4, DDR, PBR, DVMRP
Security	AAA Radius, TACACS+, Firewall, L2TP, PPTP, GRE, IPsec, IKE, MPLS VPN
Reliability	Port Backup, HSRP, VRRP, E-Backup (BDCOM proprietary), Ethernet remote line auto-detection (BDCOM proprietary)
QoS	FIFO, PQ, CQ, CBWFQ, WFQ, RED, WRED, DSCP, IP Precedence, RTS, RSVP, CAR
Network Management	SNMP V1/2/3, RMON, PDP (compatible with Cisco CDP)

Specifications

Flash	8 M
Boot ROM	512 K
SDRAM	64 M
Slot	3 Network/Voice Module Slots
Port (RPU)	1*10/100M Fast Ethernet Port (2 for 2641) 1* AUX Port 1* Console Port
Dimensions (L × W × H)	440 mm × 425 mm × 70 mm
Weight	11.1kg (2640/2641)
Power Supply	AC: 100~240V, 47 ~ 63 Hz, 2A/230V; DC: -36 ~ -72 V, 2.3 A
Power Consumption	120 W (max.)
Temperature	Operating: 0 ~ 40°C, non-operating: -20 ~ 65°C

Humidity	Operating: 10 ~ 85%, non-operating: 5% ~ 95% (no condensing)
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Modules Supported

NM-1FETH-TX	1-port Fast Ethernet Network Module (10/100BaseTX)
NM-1FETH-FX (MM)	1-port Fast Ethernet Network module (100BaseFX Multi-mode)
NM-1FETH-FX (SM)	1-port Fast Ethernet Network module (100BaseFX Single-mode)
NM-4T	4-port Serial Network Module
NM-8ASY	8-port High-density Async Network Module
NM-16ASY	16-port High-density Async Network Module
EM-1CE1	1-port CE1 Network Module
EM-2CE1	2-port CE1 Network Module
EM-4CE1	4-port Extended Channelized E1 Network Module
EM-8CE1	8-port Extended Channelized E1 Network Module
EM-16CE1	16-port Extended Channelized E1 Network Module
EM-4UE1	4-port unchannelized E1 Network Module
EM-16CT1	16-port CT1 Network Module
EM-8CT1	8-port CT1 Network Module
EM-4CT1	4-port CT1 Network Module
EM-1CE3	1-port Channelized E3 Network Module
NM-1E1T1B-S/T	1-port Ethernet, 1-port Serial and 1-port ISDN BRI S/T Module
NM-1E2T	1-port Ethernet and 2-port Serial Module
NM-2T1B-S/T	2-port Serial and 1-port ISDN BRI S/T Module
NM-4B-S/T	4-port ISDN BRI Network Module

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