

# Middle/Small Enterprise Core Router

## ———BDCOM 2641 Series Router

### Introduction

The BDCOM 2641 Series is a family of modular, multiservice access platforms for medium and large-sized offices and smaller Internet Service Providers. With over 23 modular interface options, the BDCOM 2641 family provides solutions for data, voice video, hybrid dial access, virtual private networks (VPNs), and multiprotocol data routing. The high-performance, modular architecture protects customers' investment in network technology and integrates the functions of several devices into a single, manageable solution.



### Key Features and Benefits

1. Using the network operating system platform, ROS (Routing Operating System) of BDCOM.
2. Adopting a modular structure to provide rich and selectable modules.
3. Data security: PAP, CHAP, RADIUS, VPN, VPDN, IPSec, IKE, firewall, backup solution.
4. Multiple routing protocol support
5. Dial-on-demand Routing (DDR).
6. QoS: Supports traffic classification and traffic policing, providing policies such as congestion management, congestion avoidance and traffic shaping.
7. Supporting services of terminal server, which is mainly apply to the bank service system. This function implements smooth transition from the multiplexer access mode to the IP network access mode through the virtual terminal technology
8. VoIP feature with the support of three commonly used voice port interfaces: FXS, FXO and E&M.

### Supported Protocols and Applications

Datalink Layer	FR, X.25, LAPB, PPP, PPPoE, HDLC, SLIP, ISDN [ PRI/BRI ], LLC2, SDLC, DLSW-SSP, XoT, X.25-TCP [ BDCOM Private ], Vlan
Network Layer	ARP, Proxy-ARP, DNS, NAT, ICMP, IGMP, DHCP(Server/Client/Relay), IP Multicast, DM/SM-PIM

Routing Protocol	Static, RIP, OSPF, BEIGRP compatible With Cisco EIGRP, BGP-4, DDR, DVMRP, Policy Routing
Security	AAA Radius, TACACS+, Firewall, L2TP, GRE, IPSec, IKE
Reliability Functions	Port Backup, HSRP, E-backup BDCOM Private, Ethernet remote line auto-detected BDCOM Private
QoS	FIFO, PQ, CQ, CBWFQ, WFQ, RED, WRED, RTS, RSVP
Management	SNMP V1/2/3, RMON, PDP compatible With Cisco CDP
VOIP	VoIP, FAX over IP, Gatekeeper Client

## Hardware Feature

### 1. System Configuration

CPU	Basic frequency 300MHz	
Flash	8~104MB	
SDRAM	32~128MB	
EPROM	512K	
Interface	1 console port 1 AUX port 2 10/100M Fast Ethernet Port (slot 1)	
Expansibility	3 Network Module slots	
Operating Temperature	0 to 40 (32 to 104°F)	
Nonoperating Temperature	-20 to 65 (-4 to 149°F)	
Relative Humidity	10 to %85% noncondensing	
Power	AC	100 264V 47 63Hz, 1A/230V
Consumption	DC	-36 -72V 3A
Output, Watts	80W Max	
Dimensions (L x W x H)	445mm×410mm×60mm	

### 2. Network Modules for the BDCOM 2641 Series

No.	Name	Description
1	NM-1FETH-TX	1-port Fast Ethernet Network Module (10/100BaseTX)
2	NM-1FETH-FX MM	1-port Fast Ethernet Network module (100BaseFX, Multi-mode)
3	NM-1FETH-FX SM	1-port Fast Ethernet Network module (100BaseFX, Single-mode)
4	NM-4T	4-port Serial Network Module
5	NM-8A/S	8-port Async/Sync Serial Network Module
6	NM-8ASY	8-port High-density Async Network Module
7	NM-16ASY	16-port High-density Async Network Module
8	NM-1CE1	1-port Channelized E1/ISDN PRI Network Module
9	NM-2CE1	2-port Channelized E1/ISDN PRI Network Module
10	NM-4CE1	4-port Channelized E1/ISDN PRI Network Module
11	NM-1E1T1B	1-port Ethernet, 1-port Serial and 1-port ISDN BRI Module

12	NM-1E2T	1-port Ethernet and 2-port Serial Module
13	NM-2T1B	2-port Serial and 1-port ISDN BRI Module
14	NM-4B-S/T	4-port ISDN BRI Network Module
15	NM-6AM	6-port Analog Modem Network Module
16	NM-12AM	12-port Analog Modem Network Module
17	VIM-2FXS	2-Port Voice Interface Module-FXS
18	VIM-4FXS	4-Port Voice Interface Module-FXS
19	VIM-2FXO	2-Port Voice Interface Module-FXO
20	VIM-4FXO	4-Port Voice Interface Module-FXO
21	VIM-2FXS&2FXO	2-Port FXS and 2-Port FXO Interface Module
22	VIM-2E&M	2-Port Voice Interface Module-E/M
23	VIM-4E&M	4-Port Voice Interface Module-E/M