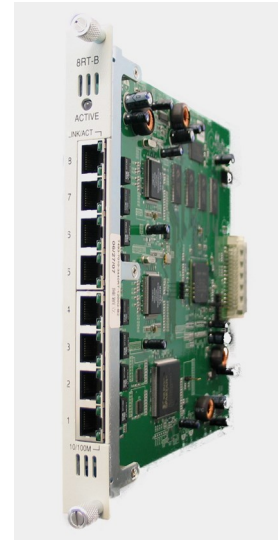


# QX3440 SW8RT

## Features:

- Eight ports of 10/100BaseT interfaces
- Auto MDI/MDI-X crossover
- Routing Protocol: RIP-I, RIP-II, OSPF (Open Shortest Path First) and static route
- Remote Software Upgradeable
- Supporting Protocols: PPP, MLPPP, HDLC, Frame Relay, and Cisco compatible HDLC
- VLANHD mapping
- Up to 64 WAN ports with aggregate data rate of 8M bps
- Remote bridge support (padding/unpadding Ethernet FCS)
- Support of QoS (Quality of Service)
- Support IEEE 802.1ad VLAN Q-in-Q

The QX3440-SW8RT plug-in card is designed for the single slot of QX3440 and HX9500R series. It occupies one regular slot of the QX3440 and HX9500R series. When used within the QX3440 AND HX9500R, this card combines the function of a router and directs Ethernet traffic to/from multiple WAN channels. Access from LAN to WAN is accomplished within one card, saving both space and money.



## QX3440 SW8RT INTERFACE CARD PRODUCT SPECIFICATIONS

### WAN Interface

Up to 64 WAN ports

Each WAN port has data rate  $n \times 64K$  bps,  $1 \leq n \leq 32$

The total bandwidth of all 64 WAN ports is up to 8Mbps

Layer-two protocol: HDLC, PPP/MLPPP, Frame Relay, Cisco compatible HDLC

Up to 64 Frame Relay PVCs

Each interface can be configured as a bridge port or router port

### LAN Interface

Eight 10/100BaseT interfaces

Auto MDI/MDI-X crossover

Speed auto-sensing

Half/full duplex auto-negotiation

Speed/duplex force mode

Compliant to IEEE 802.3u

One RJ45 connector per Ethernet port

Each interface can be configured as a bridge port or router port



Managed Switch 24 ports 10/100 BaseT  
+ 4 Combo Giga

## PRODUCT SPECIFICATIONS

### Router

Routing protocol: RIP-I, RIP-II, OSPF  
Static route

### Address Translation

NAT/NAPT  
Static address table for NAT  
Port forwarding table for NAPT (Virtual Service)

### DHCP

DHCP server support for LAN users (RFC2131, RFC2132)  
BOOTP compatible  
DHCP relay

### Access Control and Firewall

Policy based on  
    Inbound/outbound direction  
    Source/destination IP addresses  
    Protocol types (ICMP, TCP, UDP, ...)  
    Port number range  
Up to 64 control lists

### QoS

QoS based on rate limit  
Classification based on  
    Outbound direction  
    Source/destination IP addresses  
    DSCP  
    Protocol types  
    Port number range

### Remote Bridge

User configurable aging time  
Up to 16K MAC table  
Cisco ISL packet transparent  
VLAN packet transparent  
Padding/un-padding Ethernet FCS  
Rapid Spanning Tree Protocol support (IEEE 802.1w)  
VLAN-ID mapping  
MAC address based policy  
DHCP relay and server  
Routing between bridge group and router interfaces  
Support IEEE 802.1ad VLAN Q-in-Q

### Diagnostics

Ping  
Traceroute

### Physical

One single slot of QX3440 series  
12 regular slots on QX3440, 3 regular slots on QX3440S



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## ORDERING INFORMATION

<b>QX3440-SW8RT</b>	Bridge router switch 8 ports, 1 to 64 WAN , n x 64k , 8Mbps, for QX3440 long slot or HX9500RA PDH slots.
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