

Introduction

The Atlas-360 is a powerful communications platform for large offices. These environments require a high concentration of data connections and high degree of scalability in terms of connectivity and performance.

Focused on optical/electrical Gigabit connections between the public and private network, expandable to complex voice and data configurations, with the option of integrating an Ethernet switch and Wi-Fi access point.

The advanced software makes the router perfect for the demanding corporate environment and features a rich set of dynamic routing, quality of service, security/VPN, VoIP and management functions.



Product Highlights

- ▶ > 300 Mbps symmetrical services
- ▶ Four voice/data slots
- ▶ One slot for a 16-port switch card
- ▶ Dual electrical/optical Gigabit connection
- ▶ Advanced software, IPSec, ToIP, CLI
- ▶ Voice and data support
- ▶ Optional Wi-Fi access point

Product Description

The Atlas-360 provides a powerful communications platform for large offices. Typically, these environments require a high concentration of data connections and a high degree of scalability in terms of connectivity and performance.

The router features two optical/electrical Gigabit Ethernet ports that link the private and public networks as quickly and reliably as possible, plus four voice and data card slots that enable complex configurations.

A dedicated slot allows you to integrate the private network and support up to 16 Ethernet connections with optional PoE. You can also add a Wi-Fi access point.

The advanced software makes the router perfect for the demanding corporate environment and features a rich set of dynamic routing, quality of service, security/VPN, VoIP and management functions.

Competitive Advantage

Powerful and scalable platform	Geared towards concentrated/large offices. Over 400 Mbps IMIX services.
Dual electrical/optical Gigabit interface	Maximum transfer rate to both the public and private networks.
Four voice/data slots	Four slots for voice/data cards and a wide range of other cards (SFP, E1/T1, Serie, FXS/FXO, PRI, SFP, etc.)
Private network integration	All-in-one device. Slot to integrate a 16 x FE switch with PoE.

HARDWARE TECHNICAL FEATURES

4 expansion slots

Four expansion slots for voice and/or data cards
Voice cards: FXS/FXO, E1/Primary, BRI, E&M
Data cards: Fiber Optics (SFP), E1/PRI, BRI, Serial, Eth. switch

LAN and WAN Gigabit connectivity

2 x GB Ethernet electrical/optical connections to private/public networks
Optical interface: SFP at 1000 Mbps
Electrical interface: 10/100/1000 Mbps and RJ45 connector

Dimensions and weight

L x W x H: 444 x 395 x 44 mm
Approximate weight: 4 Kg
Format: Standard 19 inch rack

1 x slot to integrate the private network

A slot to integrate the private network
Capacity: 16 x Fast Ethernet
Optional PoE

Wireless LAN connectivity

Dual-band (2.4/5 GHz) 802.11abgn access point
2x2 MIMO with external antennas (SMA connector)
WEP, WPA, WPA2 security, WMM QoS, Multi SSID

Environmental specifications

Temperature: 5 to 45°C
Relative humidity: 8 to 85%

SOFTWARE TECHNICAL FEATURES

IP protocol

ARP, ARP Proxy, MTU discovery, NAT, ECMP, BFD
RIP, OSPF, BGP, policy based static and dynamic routing
Virtual Router Forwarding (Multi-VRF)

Security

IPSec support in transport and tunnel mode
Pre-shared authentication, RSA, Certificates, MDS, SHA-2
Encrypted: DES (56 bits), 3DES (168 bits), AES (128, 192 and 256 bits)

IP services

DHCP, DNS, FTP, SFTP, SSH, Telnet server and client
NTP, LDAP, Syslog, SCP client. TFTP server
DHCP, dynDNS relay

IPv6

Dual Stack, IP6oIPv4, IPv4oIPv6, GRE, 6rd, DHCP, ICMPv6, SLAAC
Static and dynamic routing RIPng, OSPFv3, MP-BGP
Multicast: MLD, MLDv2, Listener, Querier

Management

CLI configuration and storage in a plain text file
Assignment of user and group licenses
RADIUS and TACACS+ AAA support

IP protocol (2)

Multicast: IGMP (v1,v2, v3), PIM-SM, MSDP, MLD, MLDv2
IPSLA service probes (delay, packet loss, jitter)
High availability: VRRP, TVRP (HSRP compatible)

Security (2)

Certificates: CSR, SCEP, X.509v3, PKIX, LDAP revocation
Static and dynamic access lists and session-based Firewall
DoS/DDoS detection

Quality of Service

Classification, marking, BW management, BW prioritization and limitation
Up to 32 types 16 queues per interface
Strict policies (PQ), Low latency (LLQ), according weight/types (WFQ, CBWFQ)

VoIP

Protocols: SIP (UDP, TCP, TLS), H323, UA-NOE, SRTP, SCCP
Support for SIP, UA-NOE, H323, SCCP terminals
Survival services: calls, hold, transfers

Management (2)

Netflow, RMON V5 and V9, SNMPv1, v2c y v3, Syslog support
Manageable via SMS
Wireshark-compatible remote packet capture

ADDITIONAL TECHNICAL FEATURES

LEDs

Power, status, 2 LEDs per voice/data slot, 2 Wi-Fi LEDs
2 additional LEDs per Ethernet port (link, speed and activity)

Console port

Type RS232, N81
Default speed 9600 bps, maximum speed 115200 bps
RJ45 connector with proprietary pinouts (including adapter)

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