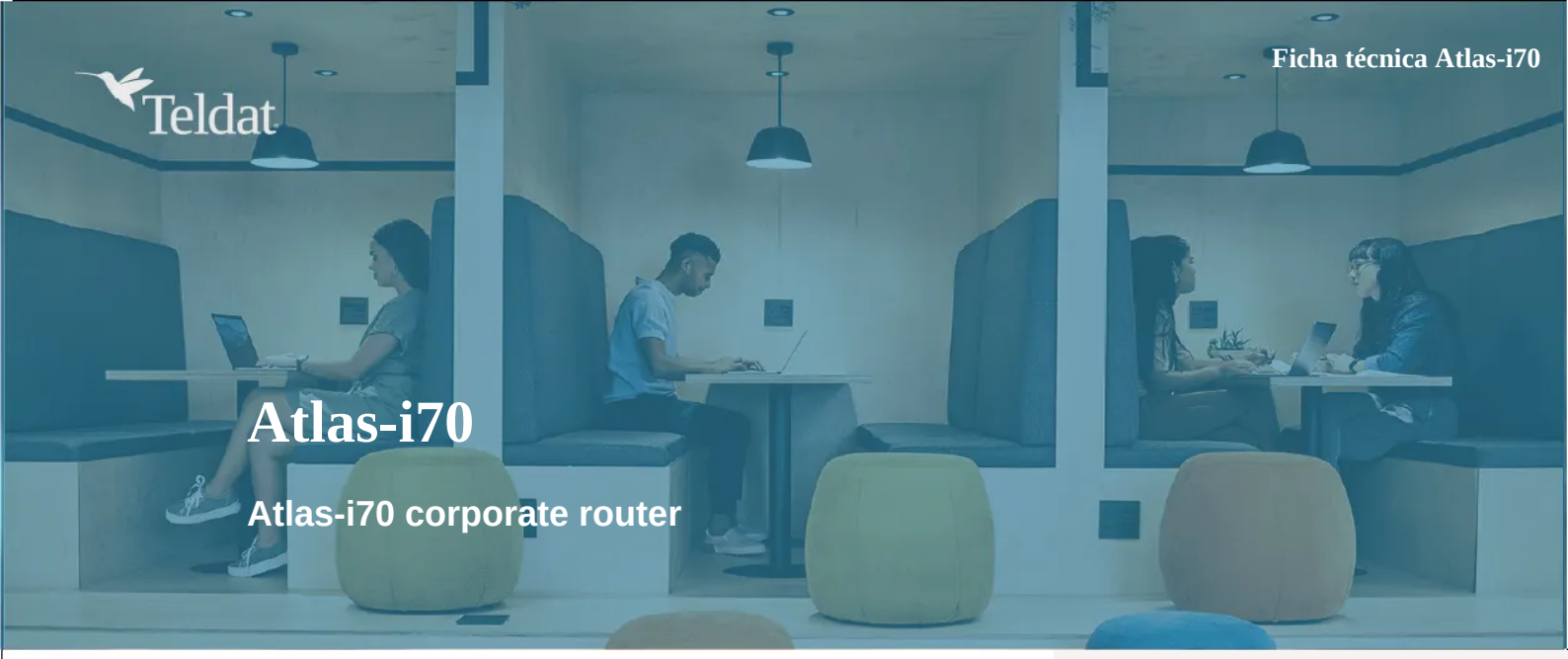


Atlas-i70

Atlas-i70 corporate router

Introduction

Atlas-i70 is combination of connectivity, network electronics plus performance make it the ultimate router for the remote office.

- Connectivity: Electrical/optical Gigabit interface plus two slots capable of addressing a variety of interface cards and advanced routing software.

- Network electronics: Built-in 8-port Gigabit switch, expandable to 16 with the option to supply power over the Ethernet line (Max. 12xPoE ports).

- Performance: Based on a optimized hardware architecture that allows to the router to offer high performance in the transmission and encryption of corporate data.

Destacar

- **Up to 1 Gbps symmetrical services**
- **Hardware encryption for high VPN performance**
- **Two slots (SFP, VDSL, G.SHDSL, E1, Serial,etc.)**
- **Built-in electrical/optical port**
- **Built-in, expandable 8-port switch, optional PoE**
- **Advanced software, IPSec, ToIP, CLI**
- **Traditional or SDWAN integrated router**

Interfaces

2 x expansion slots	Cards SFP, VDSL, G.SHDSL, E1,Serial,etc.
Electrical/optical Gigabit Ethernet port	Optional (remotely activated)
8-port Gigabit Ethernet switch	Yes
PoE support(Up to 12xports)	Yes
Console port	Yes
Reset button	Yes
USB port for 3G/4G modems	Yes

Competitive Advantage

Powerful and scalable platform	New generation of high-power processors with the ability to scale to 1 Gbps services.
SDWAN router	Teldat-i70 enables smooth transition from traditional communications in remote offices to a hybrid SD-WAN network.
Two expansion slots	Can be adapted to a myriad of connectivity scenarios thanks to a variety of cards ADSL/VDSL, G.SHDSL, E1/T1, Serial, PoE Ethernet switch.
Extensive local connectivity	Up to 16 10/100/1000 Ethernet ports with advanced VLAN functions, 802.1p/q/x. Optional PoE out(IEEE 802.3af) from 4 to 12 switch ports.

Key Features

- **Up to 1 Gbps** Reliable in scenarios of up to one Gbps symmetrical (IMIX) services thanks to its powerful hardware architecture with hardware encryption.
- **Electrical/optical port on motherboard-not occupying** Dual built-in electrical/optical Gigabit Ethernet interface that does not take up a slot. No compromise on scalability and the use of alternative access technologies(such as G.SHDSL, E1 or ADSL/VDSL) as redundant path.
- **Double slot and wide range of cards** In addition to WAN and LAN access, it also has two slots that allow it to adapt to complex double/triple connection scenarios with the external network. Cards include FO, VDSL, Serial, 8xGE, E1/T1, G.SDHSL, etc.
- **Security: Firewall, IPSec, etc.** Corporate communications require corporate security. The Atlas-i70 provides the state-of-the-art in security. ACLs, Firewall(L3-L7), 802.1x, IPSec (optional hardware encryption), etc.
- **Specifically designed for installation on racks** Medium and large offices devices need to be fitted in standard cabinets with forced ventilation. The Atlas-i70 is specifically designed for these types of installations.
- **High encryption capacity** Teldat offers IPSec VPNs that are compatible with the most common solutions in the market and with a higher performance rate than their competitors in relation to cost.
- **8xGE switch on the motherboard, not taking up a slot** The built-in switch is ideal for small offices because it eliminates the need for an external switch, thus reducing costs and points of failure. GE, duplex, self-negotiable ports with optional PoE.
- **Central management and ZTP provisioning** Atlas-i70 can be managed with Cloud NetManager tool and it supports "Zero Touch Provisioning" for easy network deployments.
- **Advanced services** The Atlas-i70 software includes all the advanced functions needed in corporate networks and operator services, ready for the most demanding scenarios like MPLS and managed services.
- **Console port** Operator/integrator managed services require out-of-band management to prevent them from interfering with customer networks. The console port is the most common method.

CARACTERíSTICA TéCNICA DEL HARDWARE

Two expansion slots
WAN cards: Fiber, ADSL/VDSL, Fiber + ADSL/VDSL, G.SHDSL, E1/T1, Serial
LAN cards: 8xGE with optional PoE
WAN+LAN cards: 4xGE switch extension/WAN configurable

Optical/electrical Gigabit interface
SFP optical interface and RJ45 electrical interface (mutually exclusive)
Optical interface: 1000 Mbps (1000BASE-X) LX/LH-SX-ZX
Electrical interface: 10/100/1000 Mbps

Private network Ethernet connection
8-port Ethernet switch 10/100/1000
Optional PoE on 4 ports(Max 12xPoE ports)
RJ45 connector

Storage slots for data storage*
Standard hard drive slot, accessible from the outside
SD memory card slot for data that don´t need very much space
*For future use of applications

Dimensions and weight
L x W x H: 442 x 320 x 44 mm
Approximate weight: 4 Kg
Format: Desktop and additional rack mount bracket

Environmental specifications and Power Supply
Temperature: 0 to 40 ºC, Relative humidity: 5 to 90%
Atmospheric pressure: 700 to 1060 mbars
Power Supply range btw 100 to 240 VAC and 50 to 60Hz

CARACTERíSTICA TéCNICA DEL SOFTWARE

IP protocol
ARP, ARP Proxy, MTU discovery, NAT, ECMP, BFD
RIPv1/2,OSPFv3,BGPv4,Load balancing,PBR-Policy Based static/dynamic Routing
Virtual Router Forwarding (Multi-VRF)

IP protocol (2)
Multicast: IGMP (v1,v2, v3), PIM-SM, PIM-SSM, MSDP, MLD, MLDv2
IPSLA service probes (delay, packet loss, jitter)
High availability: VRRP, TVRP (HSRP compatible)

Security
IPSec support in transport and tunnel mode
Authentication: Pre-shared, RSA, Certificates, MSD, SHA-1
Encryption: DES (56 bits), 3DES (168 bits), AES (128, 192 and 256 bits)

Security (2)
Certificates: CSR, SCEP, X.509v3, PKIX, LDAP revocation
Static and dynamic access lists and session-based Firewall
Dos/DDoS detection

IP services
DHCP, DNS, FTP, SFTP, SSH server v1/2, Telnet server and client
NTP, LDAP, Syslog, SCP client. TFTP server
DHCP, dynDNS relay

Quality of Service QoS
IP Precedence, DiffServ and COS labeling for BW management
BW prioritization and limitation
Up to 16 queues per interface. PQ,LLQ,WFQ,CBWFQ,WRED

IPv6
Dual Stack, IP6oIPv4, IPv4oIPv6, GRE, 6rd, DHCPv6, ICMPv6, SLAAC
RIPng, OSPFv3 and MP-BGP static and dynamic routing
Multicast: MLD, MLDv2, Listener, Querier

VoIP
Protocols: SIP (UDP, TCP, TLS), H323, UA-NOE, SRTP, SCCP
SIP, UA-NOE, H323 and SCCP terminal support
Survival services: calls, hold, transfers

Management
CLI configuration and storage in a plain text file
Cloud Net Manager tool(HTTPS based)
TACACS+ and RADIUS AAA support, Netflow, RMON, SNMPv1, v2c y v3

SDWAN networks
Overlay over hybrid networks with App-aware routing, QoS and Visibility
Central SD-WAN flow control including Zero Touch Provisioning
Applications Service Chaining

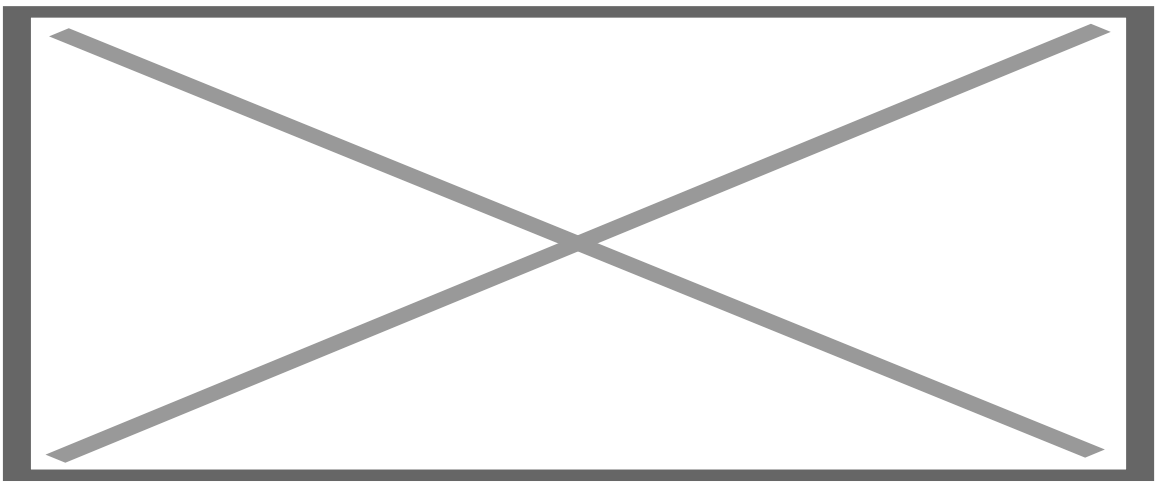
CARACTERíSTICA TéCNICAS ADICIONALES

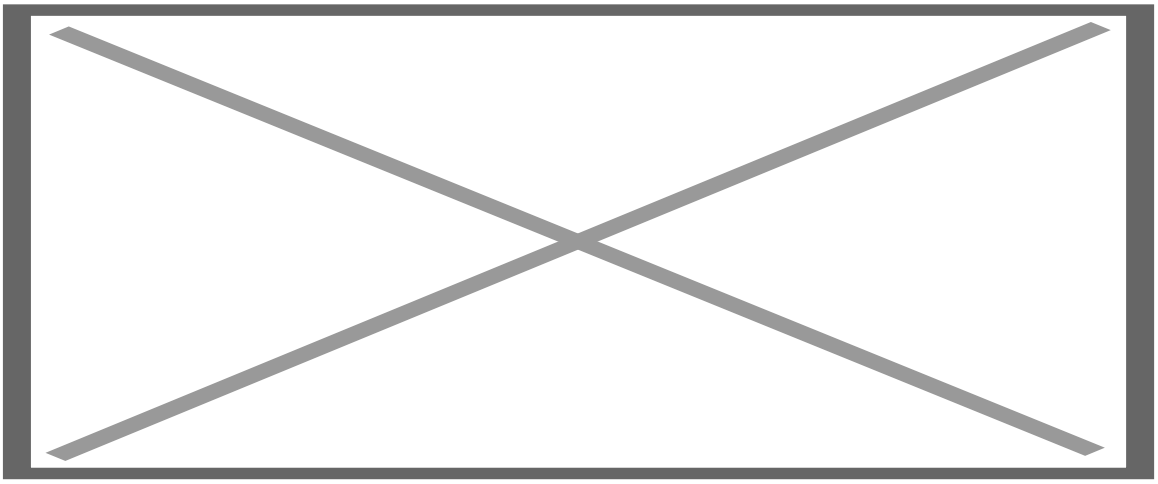
Console interface
RJ45 connector with proprietary pinouts (adapter included)
Type RS232, N81
Default speed 9600 bps, maximum speed 115200 bps

LEDs
Power supply, slot, USB, status, switch
GE-SFP, GE-Eth, HD/SD
2 additional LEDs per Ethernet port (link, speed and activity)

MTBF and maximum power consumption
MTBF: 467 KHours
Max. Power: 40W without external USB

Scenarios





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