

OmniAccess 5700 ESR Compact

WAN ENTERPRISE SERVICE ROUTER

The Alcatel-Lucent OmniAccess™ 5700 Enterprise Services Router (ESR) compact router product line comprises state-of-the-art Enterprise Access Routers.



OVERVIEW

The Alcatel-Lucent OmniAccess 5700 Enterprise Services Router (ESR) compact router product line comprises state-of-the-art Enterprise Access Routers. The OmniAccess 5700 ESR routers deliver fast and uninterrupted network communications with the most complete networking features. A variety of network interfaces are offered on the different compact models,

including 4G cellular (LTE), VDSL, SHDSL, E1/T1 CSU/DSU WAN, SFP and universal serial port (synchronous) (V.35, X.21, V.24). These routers incorporate an advanced protocol stack, including support for dynamic routing, multi Virtual Router Redundancy Protocol (VRRP), link quality management, redundant links,

VLANs, QoS, bridging, VPNs, and Simple Network Management Protocol (SNMP) among others.

The OmniAccess 5700 ESR product line delivers many features in a compact form factor with no moving parts. It is ready to cover any need which could arise in enterprise access networks.

KEY BENEFITS

- One of the most complete network protocol stacks for access routers worldwide
- Very high performance
- Hardware encryption, optimizing transmission of encrypted traffic
- Gigabit Ethernet port (10/100/1000M, RJ-45 connector) and 4-port switch (10/100/1000M)
- Embedded WLAN IEEE 802.11b/g/n interface (multiple-input multiple-output [MIMO], double port for external Wi-Fi® antennas), with professional security (IEEE 802.11i)
- Wide array of variants with additional interfaces to select from, including 4G cellular (LTE), VDSL, SHDSL, E1/T1 CSU/DSU WAN, SFP, and universal serial port (synchronous) (V.35, X.21, V.24)
- USB Host 2.0 port for additional cellular connectivity
- External power supply (90 V to 240 V AC adaptor) or through Ethernet (Power over Ethernet [PoE] client integrated on selected models)
- Top-grade management. The SNMPv3 agent allows easy integration with network management platforms.

KEY FEATURES

ADVANCED ROUTING FUNCTIONS AND QOS

The purpose of the OmniAccess 5700 ESR series is to provide service for a large number of small and medium branches. The device is capable of offering advanced features, all of which can be necessary in a corporate environment, for example:

- Advanced routing features fit for complex networks, such as route balancing, routing protocols oriented to corporations, routing

based on policies, multiple instant routing, or routing depending on real-time measured quality on the line

- Border router for different dynamic routing domains (RIP, OSPF, or BGP); administrative distance in IP routes; route filtering based on maps and more

- Multi Hot Standby Router Protocol (HSRP) and multi-VRRP for network resilience and load balancing applications
- Link quality monitoring through the Alcatel-Lucent NSM/NSLA system. Routing policy based on link quality (RTT, erroneous frame rate and UDP jitter)

SECURE COMMUNICATIONS

- Encryption processor incorporated; optimizes device performance in scenarios with IPSec tunnels

- Fully parameterized IPSec client/server. Advanced IPSec features such as PKI encryption (digital certificates), extended authentication, and Reverse-Route Injection

- Latest generation meshed topology VPN networks (Dynamic Multipoint VPN technology)

EFFICIENT COMMUNICATIONS MANAGEMENT

- A Syslog client reports any events detected by the ESR Events Logging System.
- SNMPv3 agent provides the ability to send traps and read MIB2 and Private MIB depending on

the defined management communities. The 5720 ESR can be easily integrated into the existing network management platform.

- Network clock synchronization (NTP client)

- Telnet, SSH2, FTP, TFTP, and RADIUS client

CONNECTIVITY OPTIONS AND ADVANCED FUNCTIONALITIES

- Cellular (up to LTE), Wi-Fi, complete serial port, ADSL2+/VDSL2, SHDSL (ATM 4p), SFP, and E1/T1

INTEGRATED VOIP SOLUTION, UNIVERSAL VOIP MEDIA GW

- Universal B2B-UA SIP Server, compatible with Alcatel-Lucent Enterprise Unified Communications and NOE/UA

- Service provided for up to 10 IP telephones in the branch

TECHNICAL INFORMATION