



## Phase In | Alcatel-Lucent OmniAccess WAN

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09/01/09

### New software release R2.3.1 for Alcatel-Lucent OmniAccess™ 5700\* Unified Services Gateway Series Routers

Alcatel-Lucent OmniAccess™ Unified Services Gateway (USG) Release 2.3.1 brings voice survivability and multi-VRF CE solution, unifying latest security, voice, and data technologies thus empowering branch offices of next generation enterprises.

#### What's New?

The Alcatel-Lucent OmniAccess™ 5700\* Unified Services Gateway (USG) series is a group of access routers with unified enterprise features like routing, firewall, QoS, voice etc, specifically designed for the regional or branch office and support a comprehensive set of interfaces. The OmniAccess USG is targeted to small/mid/large enterprise branch offices and campus gateways for applications/services that require the built-in resiliency and redundancy that the OmniAccess USG product family offers.

In Release 2.3.1 Alcatel-Lucent OmniAccess USG has added multiple voice features like Voice Survivability, Call Admission Control (CAC), SIP and NOE ALGs for firewall, Link Fragmentation and Interleaving (LFI) for reducing jitter and delay. To fulfill the increasing bandwidth requirement in enterprises we have added support for WAN bundling (MLFR, MLPPP) with inherent QoS. Multi-VRF CE (VRF-lite) will enable enterprise transition from complex Layer 2 VPNs to simple and easily manageable Layer 3 VPNs.

#### Unified Voice solution

OmniAccess™ USG provides secure, reliable and integrated high quality voice unified communication for remote branch offices.

Remote office Voice Resiliency (RoVR) is a best-in-class voice survivability solution that makes IP voice as reliable as traditional telephony. It leverages high availability data networks solutions like backup interfaces, floating routes and VRRP and enhances them through patent pending phone registration database syncing technology to provide an always-available voice redundancy solution. It supports all existing Voice over IP advantages like Least Cost Routing, PSTN trunks, various Media gateways termination.

Dynamic Call Admission Control (CAC) ensures high quality of voice communications by managing resources and applying admission control on new voice calls. Link Fragmentation and interleaving (LFI) delivers voice communications with minimal jitter and delay even on low bandwidth WAN links. Integrated voice security features like SIP and NOE ALG, SIP PAD (Protocol Anomaly Detection) and DDoS, enable secure voice communications and protects against malicious users.

#### Multi-VRF CE

By maintaining separate routing and forwarding table, OmniAccess USG Multi-VRF CE provides a secure way of sharing a WAN and hence provides network wide security and privacy. It enables enterprises to move away from complex Layer 2 VPNs to easily and independently manageable Layer 3 VPNs with enhanced security. Multi-VRF CE moves privacy and security to the Customer Edge (CE) or Branch office, which was possible only at the provider edge with MPLS VPN. This also makes VRF deployment possible at multi-tenant branch-office MPLS support.

#### WAN Bundling with QoS (MLFR, MLPPP)

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WAN bundling with inherent QoS support enables enterprises to expand their business application portfolio because of increased WAN bandwidth. Inherent QoS support makes sure that all business critical applications get the required and configured quality.

A comprehensive list of features added in the new release:

<b>Voice Survivability (Remote Office Resiliency)</b>	<ul style="list-style-type: none"> <li>▪ SIP Proxy                             <ul style="list-style-type: none"> <li>▪ Local &amp; PSTN call routing during WAN link outage</li> </ul> </li> <li>▪ PSTN Fallback via external Media Gateway                             <ul style="list-style-type: none"> <li>▪ Mediatrix</li> <li>▪ AudioCodes</li> </ul> </li> <li>▪ 5 call server support</li> <li>▪ Least cost routing</li> <li>▪ Call features in RoVR mode                             <ul style="list-style-type: none"> <li>▪ Call routing</li> <li>▪ Call forward</li> <li>▪ Call hold/resume</li> <li>▪ Transfer</li> <li>▪ Conference</li> <li>▪ Do not disturb</li> <li>▪ Call waiting</li> <li>▪ Caller ID information on call waiting</li> <li>▪ Caller ID/ caller ID blocking</li> <li>▪ RoVR mode notification to User Agent</li> <li>▪ Special dial tone in RoVR mode</li> </ul> </li> </ul>
<b>Voice Session Border Controller</b>	<ul style="list-style-type: none"> <li>▪ Call admission control                             <ul style="list-style-type: none"> <li>▪ Busy signal to over-the-limit call attempt</li> <li>▪ Static configuration of number of calls limit per interface/link</li> <li>▪ Automatic management of allowed number of calls based on dynamic bandwidth utilization measurement and link capacity.</li> </ul> </li> <li>▪ Provisioning                             <ul style="list-style-type: none"> <li>▪ DHCP extensions &amp; TFTP Server* file cache to ease VOIP endpoints provisioning/ configuration.</li> </ul> </li> <li>▪ QoS                             <ul style="list-style-type: none"> <li>▪ Priority classification and marking*</li> <li>▪ Priority Queues*</li> <li>▪ Traffic policing, shaping, Diffserv classification and marking*</li> </ul> </li> <li>▪ Security                             <ul style="list-style-type: none"> <li>▪ NAT traversal support added to NOE ALG</li> <li>▪ Dynamic pin-holing* - ALG support for voice signaling and supporting protocols - SIP, TFTP, RTSP, UA/NOE, FTP, DNS, NFS</li> <li>▪ Protection against attacks* - DDoS, IP Spoofing, Stateful inspection</li> </ul> </li> </ul>
<b>Routing</b>	<ul style="list-style-type: none"> <li>▪ Multi-VRF CE (or VRF-Lite)                             <ul style="list-style-type: none"> <li>▪ 32 VRFs on OA740/780</li> <li>▪ No limit on number of routes per instance, total number of routes limit in system applies</li> </ul> </li> <li>▪ RFC 3021 support - 31 bit mask</li> </ul>
<b>WAN Protocols</b>	<ul style="list-style-type: none"> <li>▪ LFI - Link Frame Interleaving (FR and MLPPP)</li> <li>▪ FRF.12 Fragmentation</li> <li>▪ PPPoE client support on GE ports                             <ul style="list-style-type: none"> <li>▪ DSL interface via external DSL modem</li> </ul> </li> <li>▪ RS-232 cable type for Universal Serial Port</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>▪ Hierarchical Queuing</li> <li>▪ 802.1q classification</li> <li>▪ 802.1p classification and marking</li> <li>▪ QoS on bundled interfaces (MLFR, MLPPP)</li> <li>▪ QoS on sub-interfaces (Per PVC QoS)</li> <li>▪ Auto QoS config for 802.1p, Diffserv*, VoIP*</li> </ul>
<b>Application Service Engine</b>	<ul style="list-style-type: none"> <li>▪ Software platform for Linux server applications</li> <li>▪ Web-Cache as first reference application</li> </ul>

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<b>NMS</b>	<ul style="list-style-type: none"><li>▪ SNMP v3</li><li>▪ New SNMP MIBS<ul style="list-style-type: none"><li>▪ Tunnel, NAT, ACL and RIP</li></ul></li><li>▪ OmniVista management enhanced support</li><li>▪ Initial 5620 SAM integration support</li></ul>
<b>System Management</b>	<ul style="list-style-type: none"><li>▪ Advanced QoS configuration GUI Wizard</li><li>▪ Universal Serial interface configuration GUI</li><li>▪ Multi Link PPP/FR configuration GUI</li><li>▪ VRF configuration GUI</li></ul>

## Commercial Offer

The current release is R2.3.1. The portfolio includes:

- Software license for Advanced Security features
- Software license for IP Voice features
- Rest all software features are provided along with OmniAccess™ 5700\* Unified Services Gateway series products at no extra cost.
- Software license price for Advanced Security and IP Voice features is the same for all OmniAccess™ 5700\* Unified Services Gateway series products thus keeping the pricing and ordering simple.

## Discount Policy

The standard discounts for sales category S type of products apply.

## Services

The services are provided under Service Category 4 with the conditions described in the “Alcatel-Lucent IP Networking Service Fees - Detailed Service Description”

- Level 3 Technical Support
- Subscription providing automatic notification and distribution of new software releases (minor and Major)

## Lab and Demo program

Comprehensive program designed to allow accredited Alcatel-Lucent Business Partners to acquire Alcatel-Lucent IP networking equipment for their own use at preferential conditions as described in the “Alcatel-Lucent IP Networking lab and demo program”.

## Conditions to access to this offer

### Contracts

- The OmniAccess™ R2.3.1 licensed software modules are added into the IP Networking Price List. The portfolio is therefore available for all partners who have a converged Alcatel-Lucent Enterprise ABPP contract (including Annex 12) or a standalone network infrastructure contract.

### Staff certification requirements

- In order to guarantee the best level of service to end-users, the usual certification requirements for accessing the IP networking apply. Consequently, the training programs have been created/updated to reach the right competency level.

### Export Control rules

- Referring to Export Control Regulations, The OmniAccess™ 5700\* solutions are classified from an export control point of view as non-retail products (ECCN # 5A002a.1 for hardware, 5D002c.1 for software). As a consequence, different regulations apply to the products. For additional details refer to “Export Control Regulations”.

## Business means and tools

### How to quote and order this offer

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- The OmniAccess™ R2.3.1 licensed software modules are added into the IP Networking Price List will be available from February 2009.
- They are orderable through the standard procedure.
- Standard 7 day lead-time applies.

In order to match the international rules applicable when selling security products, information regarding the end-user must be collected by Alcatel-Lucent. To this end, the Business Partners must complete the "end-user certificate" form each time an order is placed.

Placing an order for these solutions means that the Business Partner fully accepts the commercial rules and conditions and fully understands the associated regulations.

For any questions please refer to your Alcatel-Lucent local representative

LEARN	BUILD YOUR OFFER	INFORM YOUR CUSTOMERS
<p><b>Sales &amp; Presales &amp; Postsales</b></p> <p><b>About the offer</b></p> <ul style="list-style-type: none"> <li>▪ OmniAccess 5700* Executive Brief</li> <li>▪ OmniAccess 5700* Sales Guide</li> <li>▪ OmniAccess 5700* eFlash</li> <li>▪ OmniAccess R2.3.1 eFlash</li> </ul> <p><b>Sales Presentations</b></p> <ul style="list-style-type: none"> <li>▪ OmniAccess 5700* - Customer Presentation</li> <li>▪ OmniAccess 5700* - Sales Presentation</li> <li>▪ OmniAccess R2.3.1 presentations</li> </ul> <p><b>Training &amp; certification</b></p> <p><b>Sales</b></p> <ul style="list-style-type: none"> <li>▪ IP Networking portfolio overview</li> <li>▪ WAN</li> <li>▪ ACSR IP Networking</li> </ul> <p><b>Pre-Sales</b></p> <ul style="list-style-type: none"> <li>▪ IP Network Infrastructure - PS00TE815 (updated)</li> <li>▪ ACPS IP Networking Designer updated - PS00TC2C7 (updated)</li> </ul> <p><b>Post-Sales</b></p> <ul style="list-style-type: none"> <li>▪ OmniAccess 5700* WAN - DT00TE835 (new)</li> <li>▪ ACSS OmniAccess 57xx* WAN - DP00TC3C1 (new)</li> </ul>	<p><b>Price lists</b></p> <ul style="list-style-type: none"> <li>▪ Worldwide Price List Euro</li> <li>▪ Worldwide Price List Addendum</li> <li>▪ Worldwide Price List XLS version</li> </ul> <p><b>Quotation Tools &amp; Ordering</b></p> <ul style="list-style-type: none"> <li>▪ Available in ACTIS</li> </ul> <p><b>Reference guides</b></p> <ul style="list-style-type: none"> <li>▪ Boiler Plate</li> <li>▪ OmniAccess 5700* Pre-Sales Presentation</li> <li>▪ OmniAccess R2.3.1 Pre-Sales Presentation</li> </ul> <p><b>Services support</b></p> <ul style="list-style-type: none"> <li>▪ IP Networking Service Fees Description</li> </ul> <p><b>Support services included</b></p> <ul style="list-style-type: none"> <li>▪ Level 3 Support</li> <li>▪ Phone &amp; WEB access</li> <li>▪ Remote diagnosis</li> </ul> <p><b>Hardware services options</b></p> <ul style="list-style-type: none"> <li>▪ Repair and Return (RTF)</li> <li>▪ Advanced Replacement (AVR)</li> </ul> <p><b>Software services included</b></p> <ul style="list-style-type: none"> <li>▪ Maintenance, Minor &amp; major releases</li> </ul>	<p><b>Collaterals &amp; datasheets</b></p> <ul style="list-style-type: none"> <li>▪ OmniAccess 5700* – Family Brochure</li> <li>▪ OmniAccess 5700* - Datasheets</li> <li>▪ Data Poster</li> </ul> <p><b>White Paper</b></p> <ul style="list-style-type: none"> <li>▪ Enterprise WAN Access - Market Outlook</li> <li>▪ Simplifying the Enterprise Edge with the Alcatel-Lucent OmniAccess 5700*</li> </ul>

\*All the mentioned tools are soon available.

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Type of Partner:	Direct Reseller, Indirect Reseller, Distributor
Accreditation:	Premium, Expert
Geographic Area:	WW

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