Product Name: Aculab ApplianX Gateway for Microsoft Office Communications Server 2007
Manufacturer: ApplianX
Model Number: -

Please Note: For an alternative VoIP Gateway, we recomend the Sangoma NetBorder Transcoding Gateway range.

The ApplianX Gateway for Microsoft Office Communications Server 2007 is a 'basic hybrid' gateway. In addition to supporting a range of worldwide protocols, being easy to install and configure and offering high availability, the ApplianX Gateway incorporates Microsoft's Mediation Server software in a single appliance.   Combining two Office Communications Server 2007 solution elements into just one ApplianX Gateway can significantly lower the total cost of ownership, as fewer separate components are required. The Mediation Server software supports high quality VoIP and security features for Office Communications Server 2007, acting as a back to back user agent with media relay/transcoding capabilities. The ApplianX Gateway is an easy to deploy, standards-based TDM-to-SIP gateway, which has been specifically designed to allow enterprises to take full advantage of Office Communications Server 2007 in a mixed TDM and IP environment – every user screen is customised and easy to use. Telephone Network Interfaces On the PSTN side, the ApplianX Gateway provides 2 or 4 universal T1/E1 (USA, Japan, Europe and worldwide) interfaces, with a wide range of per-circuit selectable signalling protocols, including PRI/ISDN types, T1 robbed bit and E1 CAS, R1 and R2, plus many other PSTN and PBX inter-working protocols, such as Q.SIG and DPNSS. IP Interfaces On the IP side, the ApplianX Gateway provides dualredundant traffic interfaces for SIP signalling and RTP voice. The IP side connects directly to the Office Communications Server 2007, with support for Microsoft's RTAudio codec and security features. Comprehensive Management A private (non-traffic) Ethernet port gives access to the integral HTTP server and provides an HTML web browser interface with separate password protected access levels to allow configuration, administration, traffic monitoring and diagnosis. Features

• The ApplianX Gateway is explicitly tailored for Office Communications Server 2007
• The ApplianX Gateway has been developed to handle all the functions of a basic gateway and the Mediation Server in a single device
• The ApplianX Gateway comes with a comprehensive management suite including anHTML web browser configuration tool
• Extensive portfolio of worldwide protocols supported including: PRI/ISDN types; T1 robbed-bit; E1 CAS; R1; R2; AT&T and NI2
• Comprehensive support for many PBX inter-working protocols, such as Q.SIG and DPNSS
• Controlling traffic between IP and TDM is a comprehensive call routing engine

Benefits

• Single purpose gateway device – ensures ease of use and maximum advantage to be taken from Office Communications Server 2007
• As there are fewer components required, total cost of ownership is significantly reduced
• Utilises familiar interface tools making the ApplianX Gateway easy to install and configure
• The ApplianX Gateway ensures the protocol needed to connect to the TDM network, wherever it is installed in the world
• Investment in legacy PBXs can be protected, and advantage to be taken from Office Communications 2007
• You have complete control over the routing strategies used to connect your IP network to the PSTN or PBX

Network interfaces

• Ethernet: Dual redundant 10/100 BASE-T and separate private management interface via front panel RJ45 connectors
• Telephon: 2 or 4 E1/T1 trunks via rear panel RJ45 connectors

 Signalling and control protocols

• IP: SIP, RTP, TCP, UDP
• PSTN: ISDN: A wide range of protocols including; Euro ISDN/ETS 300, Q.SIG, DPNSS, NI2, AT&T
• CAS: A wide range of protocols* including; R2 MFC and T1 robbed bit
• Capacity: 48/60 or 96/120 (T1/E1) independent voice calls
• Security: Office Communications Server 2007 security features supported via Mediation Server

Feature support

• Voice codecs: RTAudio via Office Communications Server 2007
• Fax**: T.30 and T.38 fax receive and transmit; fax over G.711
• Echo cancellation: G.168 compliant
• QoS: Enhanced jitter buffer; packet loss concealment
• Supplementary services**: Call forwarding; call transfer; call divert; message waiting indicator and caller ID
• Additional functionality: Comfort noise generation; voice activity detection; silence suppression

Operational management Configuration: Via easy to use embedded web/HTTP interface Hardware

• Dimensions: 1U high, 19” wide rack mount
• Power: 100 to 127V AC at 60Hz; 200 to 240V AC at 50Hz or -48 to -60V DC power supplies
• Regulatory: EC Directive 2002/96/EC (WEEE) RoHS compliance
• EMC standards **: EMC standards ***: EU – EN55022; EN55024; USA – FCC 47 CFR Parts 2 and 15
• Safety: EU – CB cer t i f icat ion; Low Vol tage Di rect ive, 73/23/EEC TUV/GS to EN60950-1, 1st Edition; USA – UL 60950-1, 1st Edition/CSA 22.2
• Operating environment: NEBS level 1 (AC) and level 3 (DC) compliant chassis; operating temperature: +5°C to +40°C; storage temperature: -40°C to +70°C; humidity: non-operating 95%, non-condensing at temperatures of +23°C to +40°C

Please Enquire