
ApplianX IP Gateway technical specifications



The ApplianX IP Gateway is used to achieve a variety of TDM to VoIP migration strategies. It can connect TDM-based PBXs to SIP-based call managers, provide a PSTN front end to SIP-based platforms, or extend the life of QSIG- or DPNSS-based PBXs by connecting to IP networks.

The ApplianX IP Gateway is a cost-effective solution for many problem scenarios, helping to reduce operational costs and providing extensibility between legacy equipment and IP-based services and endpoints.

ApplianX IP Gateway

Features overview

The ApplianX IP Gateway is a closed appliance that provides a comprehensive call routing engine, supporting a wide range of failover options, including survivable, remote site telephony for resilience to various network failure scenarios.



- An IP gateway that forms a bridge between various TDM and IP endpoints, including SIP trunks
- A deployment-ready solution with a comprehensive management suite, offering a configuration interface via web browser and support for SNMP
- Includes a comprehensive call routing engine, with SIP load balancing and fault tolerance
- Offers an extensive portfolio of worldwide protocols, including: PRI/ISDN types; T1 robbed-bit; E1 CAS; R1; R2; AT&T; NI2; and DASS2
- Offers comprehensive support for PBX inter-working protocols, such as QSIG and DPNSS
- Enables the conversion of Supplementary Services by default, including: Divert; Route Optimisation; Message Waiting Indicator; Call Back (When Free, When Next Available); and Transfer between SIP, DPNSS, and QSIG (individual function mappings can be disabled)
- Provides investment protection for legacy equipment, enabling existing systems to remain in service while gaining business advantages from IP-based services
- Offers DTMF clamping, to eliminate tones in call recordings for PCI-DSS compliance
- Offers remote site survivability through fallback to the PSTN, or a TDM network, should the SIP network fail

Technical summary

- Multiple TDM trunk options, with a choice of 1, 2 or 4 universal T1/E1 interfaces
- All trunks can operate simultaneously and independently, each using a different protocol
- Gateways configured for DPNSS-to-QSIG can offer support for 30 or 60 conversions
- Resilience via dual redundant SIP and RTP traffic ports for high availability
- Channel counts of up to 120 independent VoIP calls
- Support for G.711 and G.729AB codecs
- Form factor is stand-alone 1U, 19" rack mount appliance
- Status monitoring via easy to interpret status LEDs on the front panel
- Intuitive, Web browser-based admin/management interface via integral HTTP(S) server
- Separate password protected access levels, allowing configuration, administration, traffic monitoring and diagnosis
- Remote management via SNMP traps
- Downloadable ApplianX 'search' and 'trace' tools are available to assist with gateway management

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Applications

- Interfacing enterprise VoIP telecoms to the PSTN, PBXs, or private networks
- Enabling a transitional (migration) strategy from TDM to VoIP
- Integrating next generation VoIP equipment into existing TDM infrastructure
- Providing extensibility of IP-based services towards TDM network destinations
- Leveraging investment in existing, legacy TDM equipment
- Interworking between TDM and IP-based call centres, with centralised or distributed agents
- Deploying telephony access points for multi-tenanted managed facilities
- Enabling businesses to take advantage of SIP trunks
- Facilitating the replacement of existing TDM PBX infrastructure
- Enabling DTMF tone suppression (DTMF clamping) in contact centre call recordings
- Providing PSTN fallback access points and local survivability (remote site telephony) for corporate, wide area VoIP networks
- Enabling configuration of diverse routing strategies e.g., implementing trunk group routing, supporting multiple dial plans, and handling call progress information
- Providing load balancing between SIP endpoints on a round robin basis
- Configuration of routing to avoid unresponsive endpoints

The logo for ApplianX features the word "applian" in a bold, black, lowercase sans-serif font. The letter "i" has a red dot above it. The letter "x" is in a bold, red, lowercase sans-serif font. A thick, red, curved line starts under the "x" and sweeps back under the "n", resembling a stylized smile or a swoosh.

For more information, please contact your Account Manager or view our website:
www.aculab.com

About Aculab

Aculab is an innovative company that offers deployment proven technology for any telecoms related application. Its enabling technology serves the evolving needs of automated and interactive systems, whether on-premise, data centre hosted, or cloud-based.

Over 1000 customers in more than 80 countries worldwide, including developers, integrators, and solutions and service providers, have adopted Aculab's technology for a wide variety of business critical services and solutions.

Aculab offers development APIs for voice, data, fax and SMS, on hardware, software and cloud-based platforms, giving a choice between capital investment and cost-effective, 'pay as you go' alternatives.

For more information

To learn more about Aculab Cloud and Aculab's extensive telephony solutions visit:

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