

The ApplianX DPNSS-to-Q.SIG Gateway enables enterprises to extend the life of their DPNSS-based PBX, whilst taking advantage of new IP PBX solutions, which typically support Q.SIG. The gateway fully supports all supplementary services and is extremely simple to use. With each gateway converting up to 60 channels of DPNSS-to-Q.SIG it is a cost effective way of realising a DPNSS-to-VoIP migration strategy.

Telephone network interfaces

The ApplianX gateway provides connection for up to two DPNSS trunks and two Q.SIG trunks to support from 30-60 DPNSS-to-Q.SIG PBX extensions. ISO and ECMA are supported and in addition Q.931.

Supplementary service support

In addition to basic call control, a wide range of supplementary services can be converted from DPNSS-to-Q.SIG including: Diversion (Immediate, On Busy, On No Reply); Route Optimisation; Loop Avoidance; Call Back When Free; Call Back When Next Available; Message Waiting Indicator; Hold; Call Offer; Three Party; Redirection; Data Call; Bearer Service Selection; Network Address Extension; Add-On Conference; Do Not Disturb; and Centralised Operator.

All supplementary services are supported by default; however, should the ApplianX gateway be connected to a PBX that does not support one or more of the supplementary services, users can easily disable the mappings for each of these functions. This ensures interoperability between all components in the network.

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. A one page set-up wizard is available to help configure the ApplianX gateway quickly.



ApplianX DPNSS-to-Q.SIG Gateway deployment

Features

Benefits

The ApplianX gateway is specifically tailored to perform call control and supplementary service conversions between DPNSS and Q.SIG	Single purpose gateway device – ensures ease of use and maximum advantage to be taken from new IP PBXs including Avaya Communications Manager and Cisco Call Manager
The ApplianX gateway comes with a comprehensive management suite including an HTML web browser configuration tool	Utilises familiar interface tools making the ApplianX gateway easy to install and configure
Comprehensive support for all supplementary services including: Diversion (Immediate, On Busy, On No Reply); Route Optimisation; Loop Avoidance; Call Back When Free; Call Back When Next Available; Message Waiting Indicator; Hold; Call Offer; Three Party; Redirection; Data Call; Bearer Service Selection; Network Address Extension; Add-On Conference; Do Not Disturb; and Centralised Operator	Investment in legacy PBXs can be protected and advantage taken from new IP PBXs

Technical specification

Network interfaces	Feature detail
Ethernet	Separate private management interface via front panel RJ45 connector
Telephony	2 or 4 E1 channels with co-axial converters included
Signalling and control protocols	
PSTN	DPNSS, Q.SIG (ISO, ECMA) and Q.931
Capacity	Up to 60 independent conversions between DPNSS and Q.SIG
Feature support	
Supplementary services	Diversion (Immediate, On Busy, On No Reply); Route Optimisation; Loop Avoidance; Call Back When Free; Call Back When Next Available; Message Waiting Indicator; Hold; Call Offer; Three Party; Redirection; Data Call; Bearer Service Selection; Network Address Extension; Add-On Conference; Do Not Disturb; and Centralised Operator
Operational management	
Configuration	Easy to use embedded web/HTTP interface
Monitoring	Comprehensive SNMP traps
Diagnostics	Full protocol trace feature with decoder included
Hardware	
Dimensions	1U high, 19" wide rack mount
Regulatory	EC Directive 2002/96/EC (WEEE); RoHS compliance
EMC standards	EU – EN55022; EN55024; USA – FCC part 15
Safety	CB certification; UL/CUL
Operating environment	Operating temperature: 0°C to +40°C; humidity: 20% to 80% RH non-condensing