Tadiran TGW24-3G

The TGW24-3G is an FXS VoIP gateway for Aeonix (24 concurrent calls), it enables vast deployment in delivering Aeonix as enterprise-based voice applications.

A Tadiran TGW24-3G gateway is used to connect analog telephone terminals to the IP network through FXS ports. The gateway is available with either an AC or DC power supply. Built-in surge protectors guards against lightning strikes and electrostatic discharges, and helps to ensure each line circuitry on the TGW24-3G gateway operates reliably. Additional protection can be achieved by using the 24 port patch panel.

Intelligent and Rich in Features

In a highly compact 1U chassis, the TGW24-3G uses an embedded Linux operating system and offers rich features, including call transfer, call pick-up, built-in 3-way conference, caller ID, T.38 Fax relay, flexible call routing with 500 rule capacity, number translation, and more.

The TGW24-3G is powered by a high speed CPU and dedicated DSP chip sets, which allow the TGW24-3G to be used in the highest call traffic applications.

TGW24 Benefits:

➜ Flexible configuration of FXS ports

➜ 500 routing rule capacity

➜ Configuration and firmware provisioning by Aeonix

➜ Supports fax (T.30/T.38) Flexible configuration of one, two or four T1/E1 ports

Telephony Features

➜ Media Type – voice/fax/pass through

➜ Call Handling – configurable dialing plan, up to 500 routing rules

➜ Fax Processing – T.30, T.38 fax relay

➜ DTMF – RFC 2833, SIP INFO, Audio

➜ User Features – caller ID, busy tone detection, message lamp Models: 1E1/T1 (30/23 channels); 2E1/T1, 4E1/T1

Network

➜ Security – IP filter, port number changing, TLS, SRTP

➜ Protocols – DHCP, DNS, NTP, HTTPS, PSTN – ISDN PRI standard: ANSI, NI-2, DMS, 5ESS

Configuration / Management

➜ Web GUI – configuration, software upgrade, status monitoring, log downloading

➜ Provisioning – SNMPv2, HTTP, HTTPS Security – IP filter, port number changing, TLS, SRTP

TGW24-3G FXS VoIP Gateway for Aeonix

Easy to Operate and Maintain

Tadiran TGW24-3G provides a Web-based management GUI, allowing the system administrator to configure parameters, upgrade firmware, import and export configuration data, monitor status, and more. Tadiran TGW24-3G also supports SNMPv2.

Free Upgrade

The TGW24-3G offers best performance and cost reduction. Through software upgrades, latest VoIP functions and standards can be continuously delivered to customers.

Protocols and Standards

➜ SIP (RFC3261)

➜ Caller ID generation (FSK/DTMF), configurable call progress

Certification

➜ FCC CE, SGS-USTC

Hardware

➜ CPU – ATMEL AT91SAM9G20

➜ Digital Signal Processing – TI TMS320VC5509A

➜ LED indicators – status for power, system, network and lines

Features

➜ Ethernet Connector – RJ-45, 10/100 Base-T, automatic crossover

➜ FXS Connector – RJ-45 (4-line pairs)

➜ System Memory – 128 MB

➜ Flash Memory – 32 MB

➜ Max. User Line Length – 3000 meters

➜ Ring equivalent value: 5 (short distance)

➜ Power Input – 100~240 AC, 50/60 HZ, 1 A (Max.) or 48 V DC

➜ Power Consumption – 75 Watt (Max.)

➜ Dimensions (H x W x D) – 44 x 440 x 260 mm

➜ Weight – net: 3 kg gross (include package): 4 kg

Environmental Requirements

➜ Operating Temperature: 0 to 40 C humidity: 10% to 90% (non-condensing)

➜ Storage Temperature: -10 to 60 C humidity: 5% to 90% (non-condensing)