

Portico™ TVA™ Telephone VoIP Adapter

Changing the Dynamics of VoIP Migration

No other solution on the market enables enterprises to gain the benefits of VoIP telephony faster or more cost-effectively.

Transparent migration to IP telephony.

Leverages existing infrastructure.

Little or no end user retraining.

Dramatic cost savings over “rip and replace”.

Overview

Enterprises migrate to IP telephony for a number of reasons. They want cost savings. They want to better serve their customers. They want to gain a competitive edge.

But most VoIP migration solutions are expensive, time consuming, and disruptive. They involve obtaining LAN assessments, purchasing new LAN switching gear, rewiring, and retraining. All to support new IP handsets that may not be necessary to obtain the benefits of VoIP.

The Citel Portico™ Telephone VoIP Adapter (TVA™) changes the dynamics of VoIP migration by enabling enterprises to obtain all the benefits of IP telephony utilizing the PBX telephones and wiring infrastructure they already have in place. Whether the enterprise is migrating to a hosted IP platform through a service provider or managing their own on-premise IP PBX, the Portico™ TVA™ simplifies the migration process, and is transparent to end users in most deployments. With Portico TVA, legacy PBX telephones become new IP endpoints, so replacement simply becomes unnecessary.

The economics of the Portico™ TVA™ are so compelling, enterprises can justify migration to IP telephony even in the middle of the traditional PBX “buy cycle”. Cost-savings, productivity enhancements, additional functionality, and converged applications are all within reach. After a fast, simple VoIP migration with Portico TVA, enterprises with hosted or premise-based VoIP achieve:

- Reduced monthly telecom operating expenses through centralized voice mail, IP network utilization, and the elimination of PBX and/or Key systems across the enterprise.
- Increased productivity through centralization, or even outsourcing, of voice network management combined with enterprise-wide distribution of features and applications.
- Seamless migration to a unified communications

With so much to gain, enterprises seeking the benefits of IP telephony and convergence have no reason to wait.

Features

The Citel Portico™ TVA™ is available in digital (PBX), P phone (Centrex), and analog compatible configurations. All integrate seamlessly with either an on-premise IP PBX or hosted IP service to deliver IP telephony features and functionality to more than 100 handset types, utilizing existing cabling and LAN infrastructure.

Portico™ TVA™ units are available with either 12 or 24 ports, and easily scale to the number of stations in the enterprise. All configurations are equipped with up to two FXO ports, that allow both easy 911 call locating, and survivability in the case of WAN failure.

In addition, the Portico™ TVA™ supports compression standards G.729AB, G.711 u-law, and G.711 A-law. The enterprise simply selects the best rate for its network (if available).

Key Benefits

Cost Savings

Migration costs with the Portico™ TVA™ are significantly less *per port* than “rip and replace” deployments. In addition, IP PBX platforms, whether hosted or on-premise, can drastically reduce toll and long distance charges. At the same time, features are added to streamline operations and control costs, such as enhanced reporting and call control.

Flexibility

The Portico™ TVA™ interoperates with leading IP PBX and hosted IP platforms, and more than 75 handset types. It also easily scales with the growth of the enterprise: when new employees are added, simply utilize an available port or, when capacity is reached, add another Portico™ TVA™.

Increased Productivity

When deploying a Portico TVA, users will already be familiar with their handset — it's the one that has been on their desk. Phones can either be programmed with the same or similar features from the legacy PBX, or updated with the latest VoIP features delivered by the IP PBX or hosted IP service.

Technical Specifications – Portico™ Telephone VoIP Adapter (TVA™)

Description

SIP-enabling digital (PB X) terminal adapter
 SIP-enabling P phone (Centrex) terminal adapter
 SIP-enabling analog terminal adapter

Capacity

12 or 24 port

Supported Handset Models

Portico™ TVA™ supports leading handsets, including:

- Alcatel
- Avaya Definity®
- Ericsson DBC
- NEC Dterm/Dterm I
- Nortel Meridian® 1 & Norstar®
- Panasonic DBS
- Siemens optiset® and optiPoint™
- Toshiba Strata DK
- Nortel P phone

IP PBX Interoperability

Portico™ TVA™ interoperates with leading IP call control platforms, including:

- 4PSA VoIPNow
- Asterisk
- Avaya Communication Manager with SES
- Avaya IP Office
- BroadSoft
- Cisco Unified Communications Manager (CUCM) 5.1 or later
- Easy Run
- EPICAcce
- MetaSwitch
- Mitel 3300
- Tadiran CSS / Aeonix (in testing)

Interfaces

10/100 Base-T Ethernet
 RS-232 standard serial port
 RJ-11 FXO Analog (2)
 24 Digital line interfaces on 25-pair RJ-21
 24 Analog line interfaces on 25-pair RJ-21

Voice Protocols

SIP (per IETF-SIP-RFC3261)
 RTP
 Codec:
 • G.711 u-law
 • G.711 A-law
 • G.729 A/B
 Advanced features:
 • Silence Suppression
 • Comfort Noise Generation
 • G.168 Echo Cancellation

Configuration & Management

SNMP
 DHCP
 Web GUI
 Telnet
 HTML
 FTP client
 Serial port (RS-232)
 Phone display (limited features)

Other

QoS: ToS and IP Precedence
 VLAN Tagging: 802.1Q
 DTMF: Send in RTP (RFC2833)

Physical

Low profile, 1U rack-mountable unit
 Size: 17" x 10½" x 1¾" (432mm x 271mm x 44mm)
 Weight: 7.1 lbs (3.3 kg)

Power

Internal, universal auto ranging
 Line voltage: 100-127/200-240VAC
 Frequency: 50-60 Hz
 Maximum power consumption: 100 Watts

Environmental

Temperature 32 - 104 F (0 - 40 C)
 Relative humidity: 5 - 95% (non-condensing)

Regulatory

FCC
 47 CFR Part 68
 TIA-968-A
 Industry Canada
 CS-03 Issue 9 Part I
 CS-03 Issue 9 Part V

EU Telecom Testing
 TBR 21
 TR 103 000-1 (ATAAB Notes)

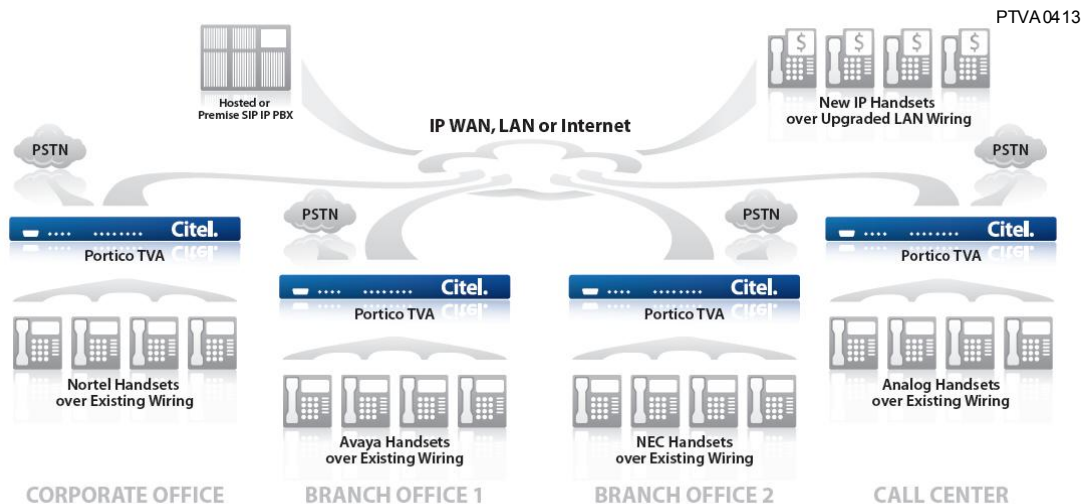
Safety
 IEC 60950-1:2001
 EN 60950-1/A 11:2004
 Test Procedure CB Scheme

EMC
 CISPR 22 Ed 3: 1997
 CISPR 24 Ed 1 / A2: 2002
 Test procedure CB Scheme

CE Mark
 European Directives compliance
 LVD, R&TTE, RoHS, WEEE

Warranty

One-year limited warranty for parts & labor.
 Extended Warranty options available



Sample Network Configuration

PTVA0413

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