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Portico™ Telephone VoIP Adapter (TVA™) Feature Pack 4 available October 13, 2009

Citel is pleased to announce upcoming availability of several new features, being released as Feature Pack 4, for its award-winning Portico™ Telephone VoIP Adapter (TVA™). New features in this release include the following:

- New Multiple TVA Configuration Tool.
- SNMP instrumentation.
- Simplified SIP configuration, and context sensitive help.
- New phone display options.
- Support for new phones and add-ons.
- Analog message waiting support.
- User editable personal directory.
- Programmable speed-dials when on a call.
- Call sharing and pickup on Asterisk
- SIP interop enhancements.

## Overview

Citel's Portico TVA was released in February 2007. It is a network-edge device that enables delivery of VoIP features and applications to digital (PBX), P phone (Centrex), and analog handsets, over existing cabling. Feature Pack 4 is Citel's most robust and comprehensive set of new features for the Portico TVA to date. The Pack will be pre-loaded on all newly manufactured Portico TVA units, and existing units can be upgraded in the field through Citel's Support *Wizard*.

## Feature Pack Item Descriptions

### 1. New Multiple TVA Configuration Tool

This allows spreadsheet based management of multi-node installations including copy & paste for global changes, port swapping, etc.

### 2. SNMP instrumentation of all ports

All digital phone ports and FXO ports now report both Configuration and Operational status using SNMPv2. Citel uses the OID (Object Identifier) 20892. Digital and P-Phone/Analog units can be recognized. Guidelines are available on how to monitor TVAs in a network using an industry standard Network Management station.

### 3. Simplified SIP configuration

SIP configuration has been separated into Basic and Advanced, to streamline the process for new users. Context sensitive help has been included.

### 4. New phone display options

New options include:

- Display of IP address and port number– to assist in installation
- International time/date formats.

### 5. Support for new phones

In addition to the numerous handsets from Avaya, Ericsson, NEC, Nortel, Panasonic, Siemens and Toshiba that Portico TVA already supports, Feature Pack 4 introduces interoperability with the following handsets and add-ons:

Ericsson Dialog	Ericsson compatible	Nortel Add-on Modules
Dialog 4220	Datavox 811	M7324 – 48 key CAP add-on
Dialog 4222		M2616 – 22 key add-on*
Dialog 4224*		* Delivery may be delayed 2 to 4 weeks

### 6. Analog message waiting –

The following methods are supported:

- FSK/MDMF
- Line Reversal
- BT Featureline format – using interrupted dial-tone.

## 7. User editable personal directory.

Each phone user can access and now edit a personal directory. Access is via menus on the phone keys and display, and also from a personal web login. Users can ring contacts listed in the personal directory (or call log) either from the phone menus, or using click-to-call from their web login.

## 8. Programmable speed-dials when on a call

Speed-dials keys can now be used when on a call – as well as to initiate a call. This allows other IP PBX features to be accessed, e.g.

- Asterisk park using '#'.
- "Transfer to". A 't' can be prefixed to the speed-dial number to indicate this is a "transfer to". "Transfer to" can also be used to effect an Asterisk Park.

## 9. Call sharing and pickup on Asterisk

TVA supports Busy Lamp Field keys. These can be configured to monitor Asterisk extensions using the SIP Dialog Event Package<sup>[1]</sup>. A BLF key can then be used to speed-dial, monitor for busy, and pickup<sup>[2]</sup> another extension.

### Notes

1. Since Asterisk 1.4 implicit "hints" to facilitate this are in place on extensions by default.

2. Some Asterisk configuration is needed for Pickup, so Asterisk can understand the format of the INVITE the TVA uses - "pickup-<EXTENSION>". So add the following lines to extensions.conf:

```
exten => _pickup-x.,1,Pickup(${EXTEN:7})
exten => _pickup-x.,2,Hangup
```

## 10. SIP interop enhancements

Interop testing has been carried out with the following new SIP IP PBXs (Application Servers):

- o MITEL
- o Shoretel\*
- o Tadiran\*
- o Pingtel/SIPx\*
- o Nortel SCS500\*
- o NEC\*

Changes required for the above interops have also improved the general SIP interoperability of TVA, such as in negotiating firewalls and SBCs. For example the TVA now uses a more common SIP 'Contact' header format.

### Notes

- \*Formal interoperability may not yet be complete.
- These new IP PBXs are in addition to the ones already supported including:
  - Asterisk
  - Broadsoft
  - Sylanro
  - Cisco CUCM
  - Avaya Communication Manager

## Affected Citel Products

Product Name	Model Description	Product Code	Features
Portico TVA12A	12-port analog-compatible, 0 FXO	H-SIP3A-RUC12	1 - 4
	12-port analog-compatible, 1 FXO	H-SIP3AZ-RUC12	1 - 4
	12-port analog-compatible, 2 FXO	H-SIP3AY-RUC12	1 - 4
Portico TVA24A	24-port analog-compatible, 0 FXO	H-SIP3A-RUC24	1 - 4
	24-port analog-compatible, 1 FXO	H-SIP3AZ-RUC24	1 - 4
	24-port analog-compatible, 2 FXO	H-SIP3AY-RUC24	1 - 4
Portico TVA12D	12-port digital-compatible, 0 FXO	H-SIP3D-RUC12	All
	12-port digital-compatible, 1 FXO	H-SIP3DZ-RUC12	All
	12-port digital-compatible, 2 FXO	H-SIP3DY-RUC12	All
Portico TVA24D	24-port digital-compatible, 0 FXO	H-SIP3D-RUC24	All
	24-port digital-compatible, 1 FXO	H-SIP3DZ-RUC24	All
	24-port digital-compatible, 2 FXO	H-SIP3DY-RUC24	All
Portico TVA12P	12-port P phone-compatible, 0 FXO	H-SIP3P-RUC12	1 - 4
	12-port P phone-compatible, 1 FXO	H-SIP3PZ-RUC12	1 - 4
	12-port P phone-compatible, 2 FXO	H-SIP3PY-RUC12	1 - 4
Portico TVA24P	24-port P phone-compatible, 0 FXO	H-SIP3P-RUC24	1 - 4
	24-port P phone-compatible, 1 FXO	H-SIP3PZ-RUC24	1 - 4
	24-port P phone-compatible, 2 FXO	H-SIP3PY-RUC24	1 - 4

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