

# Cisco Model TES301 IP Managed Services Home Gateway

## Introduction

The Cisco® Model TES301 IP Managed Services Home Gateway (TES301) is an advanced, high-performance home gateway that combines Ethernet, Voice over IP (VoIP), router, Zigbee and wireless access point technologies in a single device providing a cost-effective voice and networking solution for Connected Home and Managed Home experiences.

## Benefits and Features

### *Highlights*

- Open Software Environment — flexible OSGi/JVM software platform enables third party application support and quicker time-to-revenue for new services
- LCD — Liquid Crystal Display simplifies setup and troubleshooting
- Managed Service Support — enhanced processing power and extended memory
- Triple Play Services Support — Gigabit Ethernet LAN ports, 802.11n Wi-Fi, and SIP enabled VoIP ports offer high performance delivery of Data, Voice, and Video services
- ZigBee — support for embedded controllers for Home Automation, Home Security, and Energy Control applications
- Flexible Deployment — Gigabit Ethernet WAN allows deployment in FTTH, DSL, and DOCSIS® networks
- Remote Management — TR-069 paired with TR-111 enables comprehensive management
- Simplified Home Networking — powerful setup, local management, and remote troubleshooting tools
- DLNA Support — Digital Living Network Alliance (DLNA) support provides simplified access and sharing of personal content across the home network

### *Simplified Connected Home*

The TES301 simplifies and enhances the Connected Home experience with improved setup and management of the home network.

- Easy to use color LCD combined with embedded Network Management to simplify connections and settings of devices in the home
- Gigabit Ethernet WAN port provides high performance deployment in FTTH, xDSL, or DOCSIS networks
- Gigabit Ethernet LAN ports provide high performance interface to home peripherals – Set Top boxes, PCs, network printers, femtocells, etc.
- Easy wireless setup with WPS Push Button

## *Personal Content Sharing and Storage*

The TES301 incorporates a DLNA media server, providing access to all content within the home network—digital photos, music, and video.

- Content can be shared with any PC or compatible device connected to the home network
- Supports streaming content to media players and TVs
- In-home discovery and control of media sources and players
- Provides both local and remote access to in-home media
- Factory-installed embedded microSD card for intelligent caching of digital video, pictures, music, and other files

## *Application Environment*

The Cisco TES301 represents a next generation gateway for your home that is designed to support IP Managed Services. These services allow you to remotely access the home network to upload and download digital content, or monitor activity with a webcam or other event triggering devices. The TES301 has the necessary processing power and memory to allow for new services to be added over time.

- OSGi/JVM software platform enabling third-party application support
- Supports Home Security, Home Automation, Smart Metering, and Energy Control Services
- Z-Wave or ZigBee support via external dongle or optional embedded module

## *High-Speed Wireless Interfaces*

- Wi-Fi 802.11 b/g/n 2.4 GHz for basic home networking service
- Internal Antenna designs supports omni-directional techniques that provide excellent 3-D coverage, isolation & pattern diversity in all bands

## *Phone Services*

- Two ATA Ports with SIP Client support
- Supports separate phone numbers on each port

## *Management and Troubleshooting*

- Embedded network management client for simplified out of the box setup and configuration
- Local device management via web-based GUI or online user portal
- Supports Broadband Forum Industry standards (TR-069, TR-098, TR-104, and TR-111) for remote management and configuration of the TES301 settings, VoIP parameters, and connected home network devices
- Customer Service portal allows easier remote troubleshooting and problem resolution