

HDS1020

IPTV Gateway Controller & Protocol Converter



Complete IPTV System Management Solution

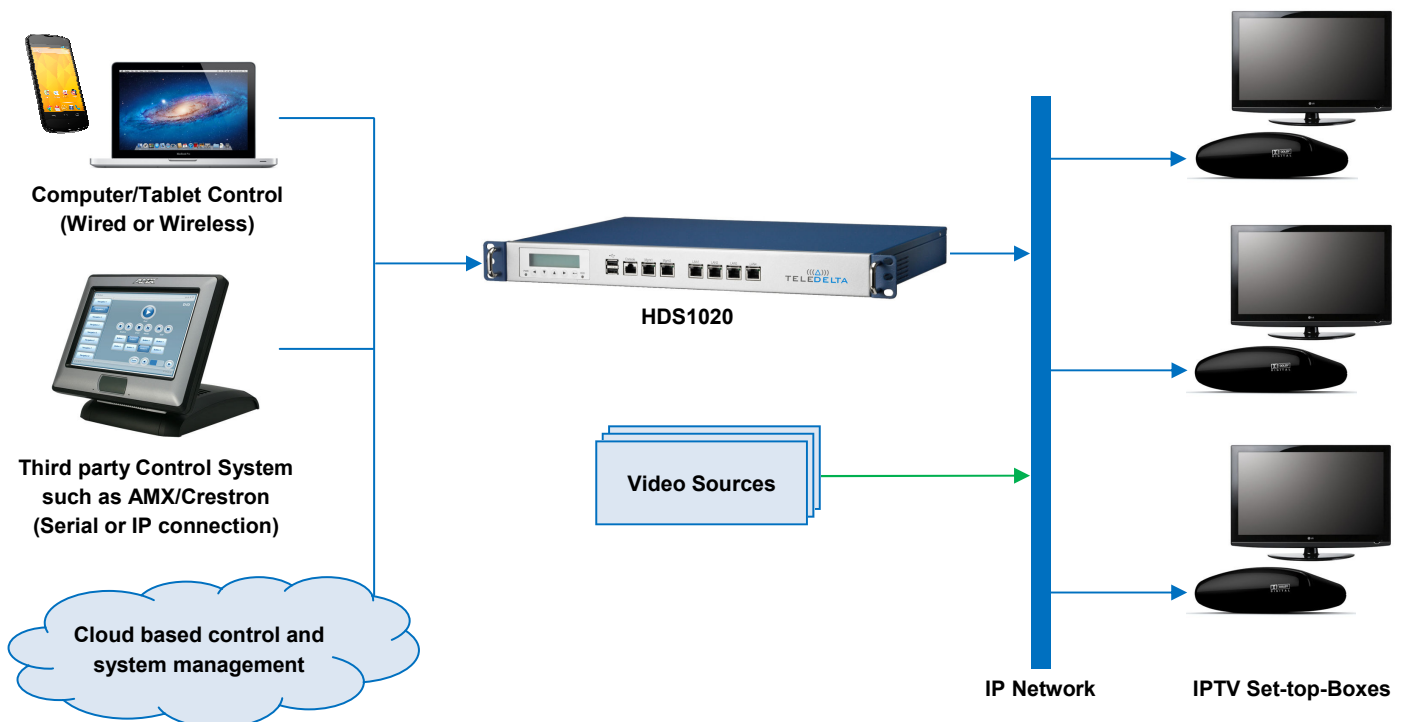
The TeleDelta HDS1020 is a powerful, yet low power consumption, rack-mount IPTV Gateway Controller & Control Interface for 24/7 operation and management of IP Set-top-Boxes (STB's).

Its modular design enables integrators and operators to select from various control modules to customise their IPTV installation, operation and on-going service.

Designed for the centralised control of IP STB's the control protocol translator function acts as the interface from popular control systems such as Crestron, AMX and others, to the commonly deployed STB's in the hospitality, corporate, education and entertainment sectors.

The HDS1020 also acts as an active web server hosting remote control user interfaces that can be customised for each site with graphical display layouts providing touch or click-thru access to individual or grouped STB's for control of source/channel selection, volume and TV display power on/off etc. This functionality can be accessed from Tablets, Laptops, PC's or other web enabled devices for efficient, effective and user friendly control of a venues display systems.

System Concept



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Features

- Provides “logon” functions for STB initialisation
- Over the wire TCP/IP management of STB’s, network wide
- Drivers available for Amino, AndroidTV, Exceed, AcidTV & Python IP devices
- Public/Private Key encryption security for secure networks
- Enable remote network management of Hospitality TV’s
- Ends reliance on IR blasting
- Lowers energy costs by allowing intelligent power management



System Options

- iPad or Android centralised remote control
- Content Distribution
- ASCII RS-232 control protocol conversion for Crestron, AMX and similar control systems
- DRM and content protection
- Digital Signage
- Remote Supervision and control

System Architecture

The HDS1020 adopts the latest Intel® Atom™ processor and Intel® 82801HBM I/O Controller Hub. The platform reserves space for one 3.5" SATA HDD and one Compact-Flash slot for storage or upgrading the OS and other applications such as Signage or VOD. By leveraging PCI Express (PCI-e) technology, the HDS-1020 takes full advantage of the ICH8M PCI-e capability to maximize I/O throughput. For easy access, the front panel also has an RJ-45 console port and LCD Module for local system management, maintenance, and diagnostics. It is FCC, CE, UL, CCC and RoHS compliant.

