

ZC3010 Zapper Cable Set-Top

DVB-C, AVC, HD Set-Top

FEATURES

- High-definition, low-cost micro-STB solution
- Integrated DVB-C tuner/demodulator
- Full range of HD and SD video formats up to 1080p30
- HDMI 1.4™
- Leading software CA solution
- USB 2.0 for peripheral support
- Flexible turn-key software solution
- Modern but simple TV guide solution
- Flexibility to brand to customer logo and colour scheme
- Enhanced static and surge protection on all interfaces for challenging deployment environments (option)



PRODUCT OVERVIEW

The ZC3010 is a micro set-top box for cable operators requiring a low-cost solution for emerging digital TV markets. Its primary aim is the conversion of large numbers of analogue TV subscribers to a modern digital service in the most timely and cost effective manner.

High Performance - the ZC3010 uses a high-quality processor and components for great performance and reliability of service. Its small size ensures that it minimises power consumption, whilst working in a wide range of deployment scenarios. Additionally its size makes it cost effective in both logistics and deployment.

High Security - the ZC3010 implements the leading software CA solution, Titanium, which provides all the features and security of a smartcard-based system but at a fraction of the total cost. Software systems are demonstrably equivalent in security to comparable hardware systems but provide greater flexibility, rapid hack-recovery (in case the worst happens) and huge cost savings on delivery and churn management.

Analogue and Digital Outputs – the unit boasts a simple back panel supporting the most common analogue and digital outputs which will allow easy installation by all demographics of customer. Additionally, a side-mounted USB 2.0 connector allow the connection of other peripherals, including flash storage for live pause operation (subject to software).

GENERAL SPECIFICATIONS

Core Processor

Processing 880 DMIPS

Memory

RAM 256 MB DDR3

Application Flash 128 MB

Boot Flash 2 MB SPI NOR

Cable Frontend

Input IEC 61169-2 Female

Tuning Range 106-1006 MHz

Tuner/Demodulator DVB-C tuner and demodulator compliant to EN 300 429

Symbol Rate 4.0-6.952 Msym/s with notional support up to 7 Msym/s

Modulation 64-, 128- and 256-QAM

Video Decode / Encode

Decoders/Resolutions Single up to 1080p60

Encoders None

Profiles AVC H.264 up to MP@L4.1; MPEG-2 up to MP@HL

Audio Decode

Sample Rate 32-192 kHz

MPEG Audio MPEG-1 Layers 1, 2

MPEG-4 Audio HE AAC v2 profile

Dolby Pass through to HDMI only

Optional Codecs WMA, MPEG-1 Layer 3

GENERAL SPECIFICATIONS - CONTINUED

Rear Panel

RF Input IEC 61169-2 female

Digital AV HDMI 1.4

Analogue AV CVBS via RCA, L/R audio via RCA

USB (Side) USB 2.0 Type A (500 mA)

Power DC input

CAS and Security

Secure Processor

Interface

HDCP

Analogue CP

Protection

ESD Protection

Power

195-265 V, 50-60 Hz supply

EU Code-of-Conduct compliant

Compliant to Energy using products legislation (<1 W standby)

External PSU

CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656



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