

ZC4210 | ZC4210 Zapper Cable Set-Top

Base Product



DVB-C, HEVC, HD Cable Set-Top with optional 802.11n Wi-Fi

- High-definition small-form STB solution
- Integrated DVB-C tuner/demodulator
- Full range of HD and SD video formats up to 1080p60
- HDMI 1.4™
- Compliant with EU power consumption regulations
- Range of middleware options available
- Range of conditional access options available including pre-integration with Titanium, Verimatrix and Conax
- Industry-standard DRM support including pre-integration with Microsoft® PlayReady®
- 2x2 dual-band selectable IEEE 802.11n Wi-Fi (optional)

The ZC4210 is a small-form cable HEVC (H.265) set-top box solution for lower-cost but still high-performance DVB operations. The product uses the latest silicon technology to reduce size and power consumption while increasing processing. It is capable of functioning as a stand-alone device or, via its networking as part of a connected home network.

High Performance - A class-leading processor delivers impressive performance over previous generations of devices whilst reducing power. Its high-capability CPU lends itself to hybrid broadcast and interactive operations and the processor is capable of supporting all modern security architectures (CAS and DRM). A flexible memory configuration supports a rich software experience and, finally, highly-sensitive broadcast tuners make for high reliability in challenging signal conditions.

High Quality - High Efficiency Video Coding (HEVC or H.265) is the next-generation of video codec, offering up to 50% bandwidth savings on the H.264 standard. HEVC can be used by operators to deliver a superior quality-of-experience within the same cable bandwidth or to increase their existing capacity by re-encoding existing assets.

High Connectivity - The ZC4210 integrates USB 2.0 and fast (10/100) Ethernet for the connection of peripherals and networking.

Optional Modules - The unit supports an optional IEEE 802.11n dual-frequency MIMO Wi-Fi block for wireless networking or can interface via its built-in fast Ethernet to external networking such as PLC. These ARRIS-supplied modules are designed to build into an attractive and complimentary stack of components, allowing operators to extend ARPU in a staged manner.

The same unit also can be configured with an AVC only device for further costs savings, if HEVC is not required (ARRIS ZC4100). The ZC4210 is a small-form cable HEVC (H.265) set-top box solution for lower-cost but still high-performance DVB operations. The product uses the latest silicon technology to reduce size and power consumption while increasing processing. It is capable of functioning as a stand-alone device or, via its networking as part of a connected home network. A class-leading processor delivers impressive performance over previous generations of devices whilst reducing power. Its high-capability CPU lends itself to hybrid broadcast and interactive operations and the processor is capable of supporting all modern security architectures (CAS and DRM). A flexible memory configuration supports a rich software experience and, finally, highly-sensitive broadcast tuners make for high reliability in challenging signal conditions. High Efficiency Video Coding (HEVC or H.265) is the next-generation of video codec, offering up to 50% bandwidth savings on the H.264 standard. HEVC can be used by operators to deliver a superior quality-of-experience within the same cable bandwidth or to increase their existing capacity by re-encoding existing assets. The ZC4210 integrates USB 2.0 and fast (10/100) Ethernet for the connection of peripherals and networking. The unit supports an optional IEEE 802.11n dual-frequency MIMO Wi-Fi block for wireless networking or can interface via its built-in fast Ethernet to external networking such as PLC. These ARRIS-supplied modules are designed to build into an attractive and complimentary stack of components, allowing operators to extend ARPU in a staged manner.

Product Classification

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Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Cable video device

General Specifications

Front Panel Interfaces	IR receiver Up to 4 LED indicators Up to 4 buttons
Graphics	2D processing up to 324 Mpix/s
Memory	128 MB Flash 512 MB DDR3
Network Interface	Ethernet Wi-Fi
Processor	2000 DMIPS
Rear Panel Interfaces	CVBS via RCA DC input Full-size smartcard (bottom) HDMI 1.4 IEC 61169-2 female (In) IEC 61169-2 male (Out) L/R audio via RCA RJ45 USB 2.0 Type A 500 mA
Symbol Rate	4.0–6.952 Msym/s with notional support up to 7 Msym/s
Tuner	Cable
Tuning Range	106–1006 MHz
Video Formats	HD
Wi-Fi Interface Standard	IEEE 802.11n

Logo Image



Environmental Specifications

Standards Compliance	Compliant to Energy Using Products Legislation EC No 1275/2008 and Amendment EU 801 /2013 EU Code-of-Conduct compliant
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