ZC4100 | ZC4100 Zapper Cable Set-Top

Base Product

DVB-C, AVC, HD Cable Set-Top

- 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 and Conax
- Industry-standard DRM support including pre-integration with Microsoft® PlayReady®
- 2×2 dual-band selectable IEEE 802.11n Wi-Fi (optional)

The ZC4100 is a small-form cable AVC (H.264) 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 Connectivity - The ZC4100 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.

Product Classification

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

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Tuner	Cable
Tuning Range	106–1006 MHz
Video Formats	HD
Wi-Fi Interface Standard	IEEE 802.11n

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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