Omnia ONE

Good things come in small packages! Omnia ONE is new from the ground up, with powerful new hardware, firmware, and processing algorithms to handle the demands of both traditional and digital broadcasting.

You need a lot of flexibility in an audio processor because transmission systems exist in many different forms. The processor you choose must have the tools to meet those needs. Special firmware inside the Omnia ONE allows it to meet the challenges of FM, AM, HD Radio™, DAB, DRM, multicasting, podcasting, netcasting, satcasting, and any other form of "casting" you can think of. There's plenty of power inside its 1RU frame, so don't let the size fool you!

Omnia ONE isn't dedicated to a sole application. It can be used in the studio, for transmission, and even in networked applications, thanks to its Livewire™ interface. Modification is achieved through a simple download. It's that easy! Processing functions like AGC, limiting, audio enhancements, stereo generation and codec pre-conditioning are just the start. As signal processing advancements occur, Omnia ONE goes along for the ride, through the flexibility of its platform.

And Omnia ONE is ready for broadcasting's networked future. It uses the Livewire™ standard for professional networked audio over Ethernet, connecting directly to Axia IP-Audio Networks. When used as part of an Axia network, a single Cat 6 cable carries all inputs, outputs and remote control.

UNIVERSAL FEATURES:

- Ethernet, RS-232 Modem and GPIO remote control ports.
- Wideband gain rider, four-band AGC and four-band limiter.
- Built-in stereo headphone jack with level control.
- Multi-band limiting, using feedback limiters for the lower two bands and feedforward for the upper two bands.

MULITCAST FEATURES:

- Ultra low-distortion final limiting optimized for the HD codec.
- Sensus™ codec conditioning technology.

FM FEATURES:

- Advanced, fully distortion-controlled final limiter/clipper.
- Integrated digital stereo generator with advanced peak control, two composite MPX outputs, SCA input and 19kHz output.