

Omnia Processor Comparison

Features	Omnia 11	Omnia.9	Omnia.7	Omnia.Volt FM or AM or DAB	Omnia.Volt SG	Omnia.9SG	Omnia.SST	Omnia Enterprise 9s
RU	4	3	2	1	1	1	Not applicable	Not applicable
Power supplies	1	2 hot-swappable	2 internal	1	1	2 internal	Not applicable	Not applicable
AM	No	Yes (AM option available)	Yes (AM model)	Yes (AM software)	No	No	No	Yes (AM option available)
FM	Yes	Yes (dual FM option available)	Yes (FM model)	Yes (FM software)	Yes	Yes	Yes	Yes (Between 1-64 instances)
HD/DAB	Yes (option)	Yes (options: HD1 HD2 HD3)	Yes (or stream processing)	Yes (HD/DAB software)	No	No	Yes	Yes (options: HD1 HD2 HD3)
Internal stream codec	No	Yes (included with HD)	Yes (or HD/DAB processing)	No	No	No	No	Yes (included with HD)
Internal stream format	No	MP2, MP3, AAC, HE-AAC, FLAC (Icecast, Shoutcast)	MP2, MP3, AAC, HE-AAC, FLAC (Icecast, Shoutcast)	No	No	No	No	MP2, MP3, AAC, HE-AAC, FLAC (Icecast, Shoutcast)
Internal backup player	No	Yes	No	No	Not applicable	Yes	No	Yes
Notes:	One stereo program for FM with option for HD1. Separate limiters for FM and HD.	AM/FM OR dual FM OR FM with options for 3 x HD+Streaming. Individual processors for each program out. Up to 4 programs. Many configurations possible	One stereo program for FM with option of FM + HD 1 + streaming. Separate processors for FM, HD, streaming	One stereo program: user selectable FM, AM or HD/DAB	Standalone stereo generator from the Omnia.11 featuring basic composite clipper	Standalone stereo generator featuring the clipper and composite section from the Omnia.9	Processing for one FM stereo and HD (or DAB) channel	FM option on each instance. Individual processors for each program out. Between 1-64 program streams, each configured separately.
Analog I/O	XLR	XLR	XLR	XLR	XLR	XLR	Windows Soundcard	Windows soundcard
AES I/O	XLR (1 In/2 Out)	XLR (3 In/3 Out)	XLR (1 In/1 Out)	RJ-45 1 In/1 Out (XLR with included adaptor)	RJ-45 1 In/1 Out (XLR with included adaptor)	XLR	Windows Soundcard	Windows soundcard
Livewire AoIP	Yes	Yes	Future	Yes	Yes	Yes	Not applicable	Yes
AES67 Support	No	Yes	Future	No	No	Yes	No	Yes
SCA in	Yes (to analog MPX outputs only)	Yes (RDS)	Yes (RDS)	Yes	Yes	Yes	Not applicable	Not applicable
MPX in (monitoring)	No	Yes	No	No	No	Yes	No	Not applicable
Internal RDS	Yes (Static RDS only)	Yes (Optional, dynamic)	Yes (Optional)	No	No	Yes (Optional)	Yes	Yes (Optional, dynamic)
MPX out	2 x BNC	2 x BNC	2 x BNC	2 x BNC	2 x BNC	2 x BNC	Yes (Soundcard needed)	Yes (uMpx)
Digital MPX out	Yes	Yes	Yes, if HD Not in use	No	No	Yes	Yes (Soundcard needed)	Windows soundcard

Omnia Processor Comparison

Features	Omnia 11	Omnia.9	Omnia.7	Omnia.Volt FM or AM or DAB	Omnia.Volt SG	Omnia.9SG	Omnia.SST	Omnia Enterprise 9s
Diversity delay	Yes	Yes	Yes	No	No	Yes	Yes	No
Front panel headphone out	Yes	Yes	Yes	Yes	Yes	Yes	Not applicable	Not applicable
Front panel display	10" color touch screen	7" color touch screen	4" color screen	Led Metering and 2.5 x 1 inch monochrome LCD	Led Metering and 2.5 x 1 inch monochrome LCD	Monochrome LCD	Not applicable	Not applicable
Front panel control	Touch screen and rotary control	Touch screen	Rotary control	Rotary control	Rotary control	Rotary control	Not applicable	Not applicable
Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ethernet remote	Java remote App/Webpage Config	NfRemote Windows app	NfRemote Windows app	Browser support (html5)	Browser support (html5)	NfRemote Windows app	Browser support (html5)	NfRemote Windows app
HTTP server-automation	No	Yes	Yes	No	No	Yes	No	Yes
Processing architecture	Wideband AGC/parametric EQ/5 band comp/6 band limiter/composite clipper/adjustable crossovers and summing at multiple points.	Input AGC/3 purpose specific wideband AGCs/2-7 band MB AGC + MB Comp + MB Lim/6-band parametric EQ/multi-band noise reduction	Input AGC/2 purpose specific wideband AGCs/2-5 band MB AGC + MB Lim/4-band parametric EQ/multi-band noise reduction	Wideband AGC/5 band AGC/5 band Limiter	Not applicable	Optional 4-band backup processor	2-9 multiband with a host of repair tools	Input AGC/3 purpose specific wideband AGCs/2-7 band MB AGC + MB Comp + MB Lim/6-band parametric EQ/multi-band noise reduction
Clipper	Selectable "Pepino" 1 or 2	Psychoacoustic distortion masked clipper, separate for MPX out and L/R out	Final clipper for FM and final limiter for HD	Ultra-lo IMD clipper (FM)	Composite clipper	Psychoacoustic distortion masked clipper from the Omnia.9	Psychoacoustic distortion masked clipper from the Omnia.9	Psychoacoustic distortion masked clipper, separate for MPX out and L/R out
"Undo (de-clipping and de-compression)"	Yes (Declipping option only)	Yes	Yes	No	No	Not applicable	Yes	Yes (declipping and decompression)
Stereo auto pilot (can turn pilot on/off when mono program material detected)	No	Yes	No	No	No	Yes	No	Yes
Stereo enhancer	Yes	Yes	Yes	Yes	No	Not applicable	Yes	Yes
SSB	Yes	Yes	Yes	No	Yes	Yes	Yes	No
ITU B.S.412 MPX power control	Yes	Yes	Yes	Yes (FM Version)	No	Yes	Yes	No
Preset recall via GPI	Yes	Yes	Yes	No	No	Not applicable	No	Yes

Omnia Processor Comparison

Features	Omnia 11	Omnia.9	Omnia.7	Omnia.Volt FM or AM or DAB	Omnia.Volt SG	Omnia.9SG	Omnia.SST	Omnia Enterprise 9s
Preset dayparting	Yes	Yes	Yes	No	No	Not applicable	No	Yes
Analysis tools	No	Yes	Yes	No	No	Yes	Yes	No
Insert/patch point	Yes	Yes	No	Yes	Yes	Not applicable	No	No
SNMP	No	Yes	Future	Yes	Yes	Yes	No	No
Support for μ MPX Codec	No	Yes	No	No	No	No	Yes	Yes
Pilot embedding (exclusive Omnia "One Louder" feature)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Audio input auto failover switching	Yes	Yes	Yes	Yes	Yes	Yes (backup 4-band local audio processor optional)	Yes	Yes