

Omnia Processor Comparison

FEATURES	Omnia.11	Omnia.9	Omnia.7	Omnia ONE.SG	Omnia ONE FM	Omnia.9SG
RU	4	3	2	1	1	1
POWER SUPPLIES	1	2 hot-swappable	2 internal	1	1	2 internal
AM	no	yes	yes (AM Model)	no	no	no
FM	yes	yes	yes (FM Model)	yes	yes	yes
HD/DAB	yes (Option)	Yes (Option)	yes (or stream processing)	no	no	no
INTERNAL STREAM PROC	no	Yes (included with HD)	yes (or HD/DAB processing)	no	no	no
INTERNAL STREAM FORMAT	no	MP2, MP3, AAC, WMA	MP2, MP3, AAC, WMA	no	no	no
INTERNAL BACKUP PLAYER	no	yes	no	not applicable	not applicable	no
NOTES:	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	Handles 1 stereo program for FM with option of FM + HD 1 + streaming. Separate processors for FM, HD, Streaming	not applicable	One stereo FM program, but can be utilized as AM, Multicast, Studio Pro or Stereo Generator (see Omnia.ONE SG)	Standalone stereo generator offering the same performance and features from the "back end" (composite/MPX) of Omnia.9
ANALOG I/O	XLR in and out	XLR in and out	XLR in and out	XLR	XLR	XLR
AES I/O	XLR in and out	XLR in and out	1 x XLR in and out	Breakout cable	Breakout cable	XLR
LIVEWIRE I/O	yes	future	future	yes	yes	no
SCA IN	yes	yes (RDS only)	yes (RDS only)	not applicable	yes	yes
MPX IN (MONITORING)	no	yes	no	no	no	yes
INTERNAL RDS	no	yes, optional	yes, optional	no	no	yes, optional
MPX OUT	2 x BNC	2 x BNC	2 x BNC	yes	yes	2 x BNC
DIGITAL MPX OUT	yes	yes	yes, if HD not in use	no	no	yes
DIVERSITY DELAY	yes	yes	yes	Yes	Yes	yes
FRONT PANEL HEADPHONE OUT	yes	yes	yes	Yes	Yes	yes
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

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FRONT PANEL CONTROL	touch screen and rotary encoder and HP level	touch screen	Rotary Encoder	Rotary Encoder	Rotary Encoder	Rotary Encoder
ETHERNET	yes	yes	yes	yes	yes	yes
ETHERNET REMOTE	Java browser app	NfRemote windows app	NfRemote windows app	Java browser app	Java browser app	NfRemote Windows app
HTTP SERVER-AUTOMATION	no	yes	yes	No	No	yes
PROCESSING ARCHITECTURE	Wideband AGC/parametric EQ/5 band comp/6 band limiter/composite clipper/adjustable crossovers and summing at multiple points.	Undo/6-band Parametric EQ/multi-band noise reduction/input AGC/3 purpose specific wideband AGCs/2-7 band MB AGC + MB Comp + MB Lim	Undo (no adjustments)/4-band Parametric EQ/multi-band noise reduction/input AGC/2 purpose specific wideband AGCs/2-5 band MB AGC + MB Lim	Not applicable	AGC , 4-5 Band AGC, 4-5 band Limiter	Not applicable
CLIPPER	Ultra Low IMD Clipper	Psychoacoustic distortion masking, separate for MPX out and L/R out, Auto Pilot	Final Clipper for FM and Final Limiter for HD	Not applicable	NRSC Compliant Distortion managed Selectable Low Pass	Psychoacoustic distortion masking
UNDO (DE-CLIPPING AND DE-COMPRESSION)	no	yes, full control	yes, preset selection	no	no	Not applicable
AUTO PILOT (EXTENDS REACH WHEN MONO)	no	yes	no	no	no	future
STEREO ENHANCER	yes	yes	yes	no	no	Not applicable
SSB	yes	yes	yes	no	no	yes
ITU B.S.412 MPX POWER CONTROL	yes	yes	yes	no	no	yes
PRESET RECALL VIA GPI	yes	yes	yes	no	no	Not applicable
PRESET DAYPARTING	yes	yes	yes	no	no	Not applicable
ANALYSIS TOOLS	no	yes	yes	no	no	yes



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We have reputation for our unique digital audio networking, Audio over IP, telephony, broadcast audio processing, loudness control, audio time management and audio quality monitoring solutions. Our goal is to not only create individual products and technologies that are excellent in their own right but to create systems of products, both inside and across our brands, that lead the industry forward.

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