

AM/FM/DAB/DAB+ STREAMER

OMNISCREEN RADIO



EXPANDING
YOUR BUSINESS

omniscreen®

DIMENSIONS

Form Factor	1U Rackmount
Height	1.7" (43mm)
Width	17.2" (437mm)
Depth	9.8" (249mm)

FRONT

Buttons	Power On/Off button System Reset button
LEDs	Power LED Hard drive activity LED 2x Network activity LEDs System Overheat LED

RF INPUT

Connector	F type 75 ohms, on card bracket
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FM/RDS TUNER

FM Modes	Mono or Stereo
Frequency Range	75.9MHz - 109.1MHz, 50kHz channel spacing
Sensitivity	15BuV for -20db THD+N
Input Level	90dBuV Max. (F connector) 100 dBuV Max. (External antenna connector)
THD + N	-55db @ 60 dBuV RF Level, 1kHz sinewave, mono, 75kHz deviation, A-weighting
De-emphasis	50us or 75us (software selectable)
Audio Bandwidth	30Hz-15kHz (+/-3dB)
RDS/RDBS Sensitivity	25 dBuV

DIGITAL SIGNAL PROCESSING

Sample Rates	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48kHz
Audio Formats	8 bit unsigned PCM 16 bit signed PCM 24 bit signed PCM 32 bit IEEE floating point PCM MPEG-1 L2, MPS

ENVIRONMENTAL

RoHS	RoHS Compliant
Environmental Spec.	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)

POWER SUPPLY

AC Voltage	200W Low Noise AC-DC power supply with PFC 100 - 240V, 50-60Hz, 2.6 Amp Max
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NETWORK

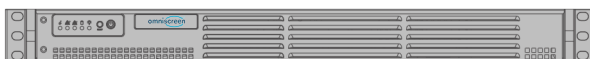
Interface	10/100
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AM TUNER

Frequency Range	520kHz - 1720kHz, 1kHz channel spacing
Sensitivity	30dBuV for -30db THD+N
Input Level	F connector: External a ntenna MCX connector
THD+N	-50db @ 60dBuV RF Level, 1kHz sinewave, 75% modulation, A-weighting, 2kHz
De-emphasis	None or 50us (software selectable)
Audio bandwidth	100Hz - 2kHz (+/-3dB)

DAB/DAB+ TUNER

Modes	DAB+ lock, DAB lock, or Automatic
Input Frequency	168MHz - 250MHz
Input Level	100dBuV Maximum
Sensitivity	5.99 dBuV with 10 ⁻⁴ BER
Ensemble Acquisition Time	940ms at 60dBuV RF level



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