



- Class leading standard feature set, including stereo encoder, RBDS/RDS generator, SCA, etc.
- Efficient OLED front panel monitoring
- World class reliability and quality from North American design and manufacture
- Frequency agile 87.5 - 108MHz
- AES, S/PDIF, and analog audio inputs standard
- Unmatched efficiency with state-of-the-art transistors and power supply
- Extensive monitoring through Ethernet, SNMP, and parallel interface
- 2 Year Warranty

AUDIO CHARACTERISTICS

Mono Operation	<i>Input Impedance</i>	600Ω, 10 KΩ (selectable from front panel)
	<i>Input Connector</i>	XLR (balanced)
	<i>Input Level Max</i>	+10 dBm +/- 2dB (others available)
	<i>Harmonic Distortion</i>	<1% (50 Hz-15KHz)
	<i>S/N Ratio</i>	>-60dB FM noise, >-50dB AM noise
	<i>Pre-emphasis</i>	25, 50, 75 μS, or flat response (selectable)
MPX Operation	<i>Input Impedance</i>	10 KΩ unbalanced
	<i>Input Connector</i>	BNC
	<i>Harmonic Distortion</i>	< 1% (50 Hz-15KHz)
	<i>S/N Ratio</i>	> 65 dB
SCA Operation	<i>Number of Inputs</i>	2
	<i>Input Connector</i>	BNC female
	<i>Input Level</i>	+10 dBm nominal
	<i>Frequency Range</i>	57 to 93 kHz
Digital Audio	<i>AES/EBU</i>	XLR, 3-position, female
	<i>S/PDIF</i>	optical, Toslink
	<i>S/PDIF</i>	coaxial, RCA female

RF CHARACTERISTICS

<i>Output Impedance</i>	50 Ω
<i>Modulation</i>	FM, Deviation ± 75 KHz
<i>Frequency Range</i>	87.5 – 108.0 MHz (± 1 kHz stability)
<i>Nominal Output Power</i>	Model dependent (50W, 150W, 300W, 500W, 1kW, 1.5kW, 2kW, 3kW, 5kW)
<i>Power Level</i>	Adjustable 1 – 105%
<i>Output Connector</i>	Type-N female (50W to 500W); 7-16DIN female (1kW, 1.5kW, 2kW, 3kW); 7/8 EIA (5kW) others available
<i>Spurious Emissions</i>	Compliant to Industry Canada BETS-6 and FCC 73.317

ELECTRICAL

<i>Flexible AC Input</i>	50W/150W/300W/500W - 90-264 Vac
	1kW/1.5kW/2kW/3kW/5kW - 180-264 Vac

** Due to continuous product improvements, Technalogix reserves the right to change specifications without notice. **

INTERFACE

Remote Port	<p><i>Control:</i> RF carrier on/off, RF power up/down, reset</p> <p><i>Monitor:</i> Forward/reflected RF level, control PCB Vcc</p> <p><i>Flags:</i> Amplifier overdrive, VSWR (adjustable trip point), high temperature</p>
Ethernet	<p><i>Control:</i> RF carrier on/off, RF power up/down, AGC/manual, change VSWR trip point, reset</p> <p><i>Monitor:</i> Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model, S/N</p> <p><i>Flags:</i> Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual status</p>
SNMP	<p><i>Control:</i> RF carrier on/off, RF power up/down, AGC/manual, change VSWR trip point, reset</p> <p><i>Monitor:</i> Forward/reflected RF level, DC pallet voltage, RF input level, temperature, pallet current, attenuation, run time, RF fault, model/serial number</p> <p><i>Flags:</i> Amplifier overdrive, VSWR, temperature, SNMP error</p>
RBDS/RDS	<p><i>Input Connector</i> USB</p> <p><i>Features</i> Scrolling, parsing, advanced weekly scheduling, UECP, ASCII terminal control</p> <p><i>Supported Commands</i> PI, PS, PTY, TP, AF, TA, PTYN, DI, EON, RT+, M/S, PIN, ECC, RT, TDC, IH, ODA, CT, LIC, TMC</p>



OLED Display



PHYSICAL FEATURES

Minimal Rack Space	2U – 50W/150W/300W/500W; 3U – 1kW/1.5kW; 4U – 2kW/3kW; 5U – 5kW	x 25" (D) x 19" (W)
Lightweight Enclosures	Aluminum	
Operating Temperature	0 to +45° C	
Humidity	90%, non-condensing	

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