

- Full color touchscreen display
- Linear solid state design
- Ultra efficient switching power supply
- Built in monitoring and control (remote port, Ethernet, SNMP)
- Field proven reliability
- High efficiency gain stages
- CW, pulsed, and modulated applications
- 2 Year Warranty

RF CHARACTERISTICS

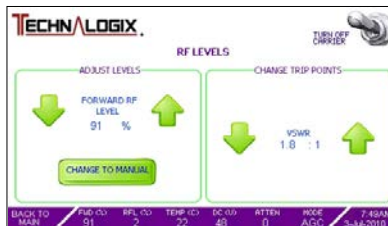
Frequency Range	350 MHz (others available upon request)
Input Power	+12 dBm (for rated output power)
Power Level	Adjustable 10 – 100% up to 5,000-watts CW (+67dBm)
Power Gain	55 dB
Gain Flatness across BW	0.5 dB
Input Impedance	50 Ω into amplifier, BNC female (others available)
Input Return Loss	> 20 dB typical
Output Impedance	50 Ω , 7-16 DIN female out of each PA, 1-5/8" EIA out of combiner
RF Sample	50 Ω , BNC female
Modulation	CW, FM, QAM, pulse, etc.
Harmonics	> 30 dBc typical (even and odd)
Spurious Emissions	> 60 dBc typical

MECHANICAL FEATURES

Minimal Rack Space	(2) x Power Amplifiers with Internal Power Supplies: 4U x 25"D x 19"W each (1) x Combiner Interface: 3U x 25"D x 19"W (1) x Power Distribution Unit for AC Distribution: 3U x 25"D x 19"W
Lightweight Enclosures	Aluminum
Operating Temperature	-10 to +50 C
Humidity	95%, non-condensing
Cooling	Liquid cooled (optional forced air ball-bearing fans cooling)

INTERFACE

DB25 Remote Port	<p>Control: RF carrier on/off, RF power up/down, reset</p> <p>Monitor: Forward/reflected RF level, control PCB Vcc</p> <p>Flags: Amplifier overdrive, VSWR (adjustable trip point), high temperature</p>
Ethernet	<p>Control: RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset</p> <p>Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model/serial number</p> <p>Flags: Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual status</p>
SNMP	<p>Control: RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset</p> <p>Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, pallet current, attenuation, run time, RF fault, model/serial number</p> <p>Flags: Amplifier overdrive, VSWR, temperature, SNMP error</p>



Screenshots off Touchscreen Interface

ELECTRICAL CHARACTERISTICS

Flexible AC Input	200-240Vac single-phase (others available upon request)
AC Consumption	13,400 V-A typical (at 5 kW CW) single phase

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