

ECLIPSE 1U Series Base Station/Repeater

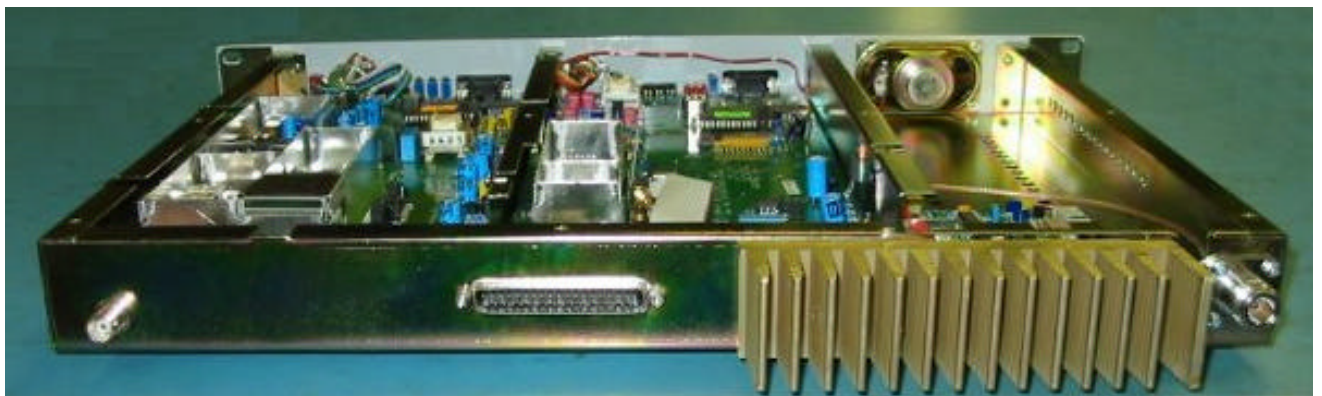


FEATURES

- Flexibility of Tx/Rx combination provides simplex/half duplex/duplex configuration
- Easy programming and monitoring user interface: ServiceMonitor software
- High sensitivity and outside band rejection
- Output stage protection at high VSWR or high temperature
- Various audio and control interfaces

OVERALL SPECIFICATION

Frequency:	66~88MHz, 136~174MHz, 215~240MHz, 350~520MHz, 800~940MHz
Modulation:	Analog FM
Channel spacing:	25kHz/12.5kHz
Programmable channels:	100
VCO control:	Synthesized Phase Lock Loop
Voltage:	13.8 VDC
Temperature:	-30°C ~ +60°C
RF connector:	50 ohm N type (TX), BNC or N type (RX)
Size:	1U 19 inch rack mount 483mm X 360mm X 45mm (W X D X H)
Weight:	5.25 kg



RECEIVER SPECIFICATION

Sensitivity:	0.25uV @12dB 0.35uV @20dB
Frequency stability:	1ppm UHF, 2.5ppm VHF
Selectivity:	80dB(25kHz)/ 70dB(12.5kHz)
Spurious rejection:	90dB
Intermodulation:	80dB
Deviation acceptance:	7.5kHz/3.75kHz
Noise squelch:	6 ~ 26dB
Carrier squelch:	1 ~ 200uV
Audio frequency response:	+1 ~ -3dB (EIA603)
Audio output:	-10dBm ~+10dBm, 600ohm 0.3V ~ 1.5VRMS, unbalanced 0.3V ~ 2.0VRMS discriminator 3W, 4ohm speaker
Distortion:	less than 3%
COS output:	opto12V, 0V output or floating switch

TRANSMITTER SPECIFICATION

Output power:	5W ~ 25W
Frequency stability:	1ppm UHF, 2.5ppm VHF
Spurious rejection:	80dBc
Hum and noise:	50dB
FM deviation:	5kHz/ 2.5kHz
Audio input level:	-20dBm ~ +10dBm
Audio frequency response:	+1 ~ -3dB (EIA603)
Audio interface :	Line 600ohm, HiZ 10k ohm
Distortion:	less than 3%

*We reserve the right to alter specifications or design without notice.
In any special critical application please consult with the manufacturer.*

*This publication is issued to provide an outline of specifications of the
products shown. It is not to form an order or contract or be regarded as a
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