

Specifications for BNET-V™

GENERAL	
IP	Layer 3 IP Radio
ECCM	Frequency Hopping Spread Spectrum techniques Networking ECCM capabilities Error detection and correction
COMSEC	Built in AES - 256 encryption /integration with customer encryption measures
Frequency Range	30-512 MHz Optional L-band, S-band
Modularity	Up to 3 Independent RF Heads (50W) Standard Open Architecture (VITA 65) Supporting additional RF, Compute & Storage Modules
Main Waveforms	AM, FM Narrow Band Networking : SC ; Channel spacing: 25KHz, 12.5 KHz Optional : other channel spacing per user request Wide Band Networking : BNET MCR WF : OFDM , SC ; Channel spacing: 1.25MHz, 5 MHz, Optional : other channel spacing per user request UHF SATCOM, Custom WF's supported
BNET Waveform Network Capability	More than 100 Mbps Overall capacity , Up to 10 Mbps Upload Rate Per User
Software Architecture	Software Defined Radio, SCA 2.2.2 compliant
Optional	Integrated LTE & WIFI Support
Radio Network Management System	Radio monitoring & configuration over the air

TRANSMITTER	
RF Heads	Up to 3
Power Output	Up to 50 Watt
Self Protection	VSWR, Over temperature Power reduction (automatic)

ENVIRONMENTAL	
Operating Temperature	-40° ÷ +55° C according to MIL-STD-810F
Storage Temperature	-40° ÷ +71° C according to MIL-STD-810F
Standards	Comply to MIL-STD-810F IP 67, MIL-STD-461E/F

POWER	
Power Input	24 VDC/ 15A (typical) according to MIL-STD-1275D/E
Power Consumption	700W Max

INTERFACES	
External Data	USB 2.0, 10/100/100 Ethernet, RS232/422
Control	Front panel, SNMP
Antenna Port	TNC, GPS
Audio	Standard Audio Analog & Digital (VoIP) Standard MIL-DTL-55116 connector, 6W

FORM FACTOR	
Dimensions WxHxD	35X31X15[cm]
Weight	<15 kg