



General Features

- Modular Design
- 19" Rack Structure (R4741/R4745) (May be placed in cabinet (D4741/D4745))
- DMR Conventional Working (ETSI DMR Standards)
- Duplex Communication (DMR: 2 slot @12.5KHz)
- Adjustable RF Output Power
- Ethernet/IP Interface
- Continuous Duty
- Capability of being supplied by an accumulator (in case of electricity outage)
- Built-in Self Test and Alarm Indication
- Analog or Analog+DMR Working (with required software changes)
- Full Compatibility with ETSI 300-113(Digital:DMR) standards

Digital Features

- Repetition of Base Band Signal without Decryption
- Regeneration of Digital Voice & Data with Error Detection and Error Correction Algorithms
- Clear Voice & Data Communication
- Digital Modulation: 4FSK(DMR)

Technical Specifications *

<i>General Technical Specifications</i>	
Frequency Range	VHF: 136-174 MHz (D/R 4741) UHF:403-470 MHz (D/R 4745)
Channel Separation	12.5(DMR) or 25 kHz(Analog)
Number Of Channels	99 (Programmable)
RF Output Power	VHF: 10-90 W UHF: 10-70 W
Modulation	FM(Analog), 4FSK(DMR)
Frequency Stability	≤ 0.5 ppm
Operating Voltage	13.6 Vdc ± % 20 or 90-264 Vac, 50 Hz (Nominal)
Standby Current	≤ 700 mA @ 13.6 Vdc
Operating Current	≤ 20 A @ 13.6 Vdc
Dimensions (HxWxL)	≈ 133x482x361 mm (without accessories)
Weight	≈ 10.5 kg (without accessories)
Operating Temperature	-30°C / +60°C
Storage Temperature	-40°C / +85°C
Humidity	% 90, 50°C

<i>Receiver Technical Specifications (According to ETSI Standards)</i>	
Characteristic	Limit Value (Standard Conditions)
Digital Sensitivity	VHF : ≤ -117 dBm (@ %1 BER) UHF : ≤ -116 dBm (@ %1 BER)
Adjacent Channel Selectivity	≥ 60 dB
Co-Channel Rejection	≥ -12 dB
Bit Error Rate Floor	≤ 0.01%

<i>Transmitter Technical Specifications (According to ETSI Standards)</i>	
Characteristic	Limit Value (Standard Conditions)
RF Output Power	VHF: 10-90 W UHF: 10-70 W
Frequency Error	≤ 0.5 ppm
Adjacent Channel Power	≤ -60 dBc
Conducted Spurious Emissions	< -36 dBm
Frequency Deviation	±2749Hz±5%

* Specifications are subject to change without any notice.

aselsan

P.O. : 101, Yenimahalle 06172-Ankara TURKEY
Tel :90 (312) 592 10 00 • Fax:90 (312) 354 13 02

Internet: <http://www.aselsan.com.tr> e-mail: marketing@aselsan.com.tr