



Naval & Strategic Product Comparison

RM6 vs RM6-A



Product Comparison Table			
Product		RM6	RM6-A
Picture			
Key Feature		Proven track record	RM6 replacement for new programs
Data Modem Functional	SSB HF Data	Yes (up to 9600 bps in 3 kHz)	Yes (up to 9600 bps in 3 kHz)
	STANAG 4539 (PSK/QAM)	Yes	Yes
	STANAG 4415 (PSK) (NATO Robust)	Yes	Yes
	STANAG 4285 (PSK)	Yes	Yes
	STANAG 4529 (PSK)	Yes	Yes
	STANAG 4481 (PSK)	Yes	Yes
	STANAG 4481 (FSK)	Yes	Yes
	STANAG 5065 (FSK/MSK) (LF)	Yes	Yes
	MIL-STD-188-110A (PSK)	Yes	Yes
	MIL-STD-188-110B (PSK/QAM)	Yes	Yes
	MIL-STD-188-110B Appendix C (PSK/QAM)	Yes	Yes
	FSK VARIABLE (FSK)	Yes	Yes
	2-ISB Data	Yes (up to 19200 bps in 2-ISB)	Yes (up to 19200 bps in 2-ISB)
	MIL-STD-188-110B Appendix C (PSK/QAM)	Yes	Yes
WBHF Data	-	-	
V/UHF Data	-	-	
Software Defined (S/W Options)	ALE 2G	Yes	Yes
	MIL-STD-188-141B Appendix A & B	-	-
	ALE 3G (FLSU)	-	-
	STANAG 4538	-	-
	MIL-STD-188-141C Appendix C	-	-
	Packet Data (LDL, HDL)	-	-
	STANAG 4538	-	-
	MIL-STD-188-141C Appendix C	-	-
Split-Site	Yes (FF, ALE 2G)	Yes (FF, ALE 2G)	
Signal Detection	Yes	-	
Supply	AC	87 - 267 VAC, 47 - 440 Hz	90 - 264 VAC, 40 - 440 Hz; 2A
	DC	-	6-36 VDC (MIL-STD-1275B) (Factory Option)
Ports	DTE	Asynchronous, Synchronous (Electrical: RS-232, RS-422, RS-423)	Asynchronous, Synchronous (Electrical: RS-232, RS-422, RS-423)
	Ethernet	CTRL: 10/100 BASE-T	CTRL: 10/100 BASE-T
	Remote Control	Asynchronous (Electrical: RS-232)	Asynchronous (Electrical: RS-232)
	Audio 1	AUDIO1: Analog audio: 300 Hz – 3 kHz, 600 Ohm, balanced	AUDIO1: Analog audio: 300 Hz – 3 kHz, 600 Ohm, balanced
	Audio 2	AUDIO2: Analog audio: 300 Hz – 3 kHz, 600 Ohm, balanced	AUDIO2: Analog audio: 300 Hz – 3 kHz, 600 Ohm, balanced
	AUX Audio 2 (Voice G/Way)	-	AUX AUDIO2: Analog audio: 300 Hz – 3 kHz, 600 Ohm, balanced
	Radio Control	RAD CTRL1 (Electrical: RS-232) RAD CTRL2 (Electrical: RS-232)	RAD CTRL1 (Electrical: RS-232) RAD CTRL2 (Electrical: RS-232)
Mechanical	Weight	2.5 kg	2.5 kg
	Colour	Black Grey (RAL 7021), Saddlewood Powder (VX 7517)	Black Grey (RAL 7021), Saddlewood Powder (VX 7517)
	Size (h x w x d)	41.0 x 217.7 x 223.4 mm	41.1 x 212.2 x 225.6 mm
	Mounting	Rack Mounting: 1 unit in ½ 19" Rack slot or 2 units side-by-side	Rack Mounting: 1 unit in ½ 19" Rack slot or 2 units side-by-side

PRODUCT COMPARISON TABLE (CONTINUED)

Product		RM6	RM6-A
Environmental	Climatic (MIL-STD-810G)	Storage/Operation: -30 °C to +60 °C Humidity: 90% non-condensing at 30 °C	Storage/Operation: -30 °C to +60 °C Humidity: 90% non-condensing at 30 °C
	Mechanical (MIL-STD-810G)	Vibration: Surface Ship, Marine Vehicles, Aircraft, Min. Integrity, Shock: 40 G, 11 ms	Vibration: Surface Ship, Marine Vehicles, Aircraft, Min. Integrity, Shock: 40 G, 11 ms
	EMC (MIL-STD-461E)	RE101, RE102, CE102, CS101, CS114, RS101, RS103	RE101, RE102, CE102, CS101, CS114, RS101, RS103
	Safety/CE Marking	CE Marking - Directives 2006/95/EC SANS 60950-1:2010 / IEC 60950-1:2012	CE Marking - Directives 2006/95/EC SANS 60950-1:2010 / IEC 60950-1:2012 LVD - Low Voltage Directive 2014/35/UE EMC - Electromagnetic Compatibility Directive 2014/30/UE EDD - Eco-Design Directive 2009/125/EC
Supporting Products	RC8	STANAG 5066 Ed. 3 Protocol Stack & IP Client	STANAG 5066 Ed. 3 Protocol Stack & IP Client
	RS8	Channel Simulator (3, 6 kHz)	Channel Simulator (3, 6 kHz)