



MARATHON III



THE MOST MODERN LOW FREQUENCY MICROWAVE RADIO SYSTEM FOR INDUSTRIAL APPLICATIONS

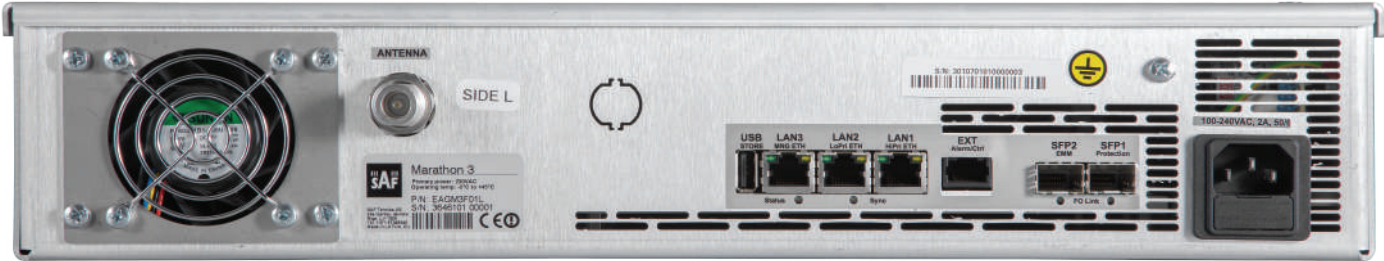
- ✓ MODEM BASED ON AN FPGA- FLEXIBLE FOR DIFFERENT APPLICATIONS REQUIREMENTS
- ✓ HITLESS ACM FOR LONGER DISTANCES AND BETTER PERFORMANCE/AVAILABILITY
- ✓ USER-FRIENDLY WEB INTERFACE, CONVENIENT AND SAFE CONFIGURATION FOR LOCAL AND REMOTE SITE TERMINALS
- ✓ BUILT-IN MANAGED GIGABIT ETHERNET SWITCH WITH QOS, VLANS, AND SPANNING TREE PROTOCOLS FOR UP-TO-DATE NETWORK CONFIGURATIONS
- ✓ PERFECTLY SUITABLE FOR LONG-DISTANCE LINKS IN MOUNTAINOUS AREAS AND OVER-WATER PATHS



For more detailed information about SAF Tehnika products visit www.saftehnika.com or contact your SAF Tehnika representative info@saftehnika.com. Product features may vary between different models and configurations. They are subject to change without prior notice. SAF Tehnika © 2023

Marathon III 900 MHz point-to-point long-haul microwave system is designed for remote and rural areas, providing reliable data and voice transmission even in adverse weather and over long distances. The full indoor unit establishes a strong link, making it ideal for utility (electricity, water), oil & gas, public safety, and transport companies.

Don't let a lack of fiber hold you back!
Choose SAF Tehnika's Marathon III solution today.



Marathon III

Frequency range (GHz) *	933 – 944 MHz		
Tx-RX offset *	9 MHz		
Modulation:	QPSK, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, Hitless ACM		
Configuration:	1+0, 1+1 FD/HSB/SD two interconnected unit protection (full redundancy)		
Channel bandwidth	100/200 kHz		
Maximum Tx power	+33dBm		
Modifications	IDU with external extension (4xASI or 16E1/T1)		
Management	In-band (via VLAN), Out-of-band; Web based, HTTPS; via WEB GUI (HTTPS), CLI (athOS), NMS (HTTPS, SNMP v1 (traps only)/v2c/v3, TELNET, SSH), SNMP traps, MIB, SNMP v1 (traps only)/v2c/3; Perf. monitoring		
Encryption	AES128/256		
QoS	Source Port, IEEE 802.1p, IPv4 TOS/DSCP, IPv6 TC, VLAN VID, SA/DA		
Display	LCD		
Ports:			
Ethernet Traffic	RJ-45	3x 10/100/1000 Base-T for traffic and/or management access	
SFP		2x 1000BASE-X (SFP) Extension and Protection ports	
ASI (optional)	BNC	Available on external extension module	
E1/T1 (optional)	RJ-45	Available on external extension module	
IDU <-> ASI/E1/T1	SFP	Available on external extension module	
Outband management access	RJ-45	1x 10/100/1000 Base-T for management	
Flash memory	USB A	1x for log files export	
Antenna		N-type connector for antenna connection	
AC Power		Connector for external 100-230VAC power supply	
Form factor	IDU 2U rack (88x482x323 mm) / (3.46x18.98x12.72 in); 7.3 kg / 16.1 lbs		
Max. power consumption	<67W		
Temperature range	-5 °C to +45 °C / +23 °F to +113 °F		

* Inquire SAF Tehnika representative for more information



For more detailed information about SAF Tehnika products visit www.saftehnika.com or contact your SAF Tehnika representative info@saftehnika.com. Product features may vary between different models and configurations. They are subject to change without prior notice. SAF Tehnika © 2023