

TagMaster

North America, Inc.

PRODUCT SHEET



ProgramMe! Anytime allows wireless connection of TagMaster Readers via TCP/IP protocols to the host computer and enables IP-addressability. TagMaster Readers can now be programmed, monitored, tested and diagnosed – virtually - unhindered by physical distance limitations imposed by traditional interfaces such as RS-232 and RS-485. ProgramMe! Anytime is designed for customers that require enhanced range, robustness and reliability to solve *difficult* connectivity problems.

Sold separately, ProgramMe! Anytime is capable of Point-to-Multipoint configurations using Long-Range 900 MHz Wireless technology. It can cover up to 40 miles depending on antenna and terrain and can handle up to 16 Clients per Access point, with 128-Bit AES Encryption (NIST-FIPS197) at 1.54 Mbps aggregate data rate. As is customary with the TagMaster family of readers, a FCC site license is not required and power consumption is low.

Technical specifications

CHARACTERISTIC	SPECIFICATION/DESCRIPTION
RF transmission rate	1.536 Mbps
Ethernet throughput	935 Kbps
Output power	+21 dBm (4 Watts EIRP when used with 15 dBi antenna)
Receiver Sensitivity	-97 dBm at 10^{-4} BER
Radio link budget	118 dB plus 2x antenna gain
Range	40 miles line-of-sight with 15 dBi antenna
RF channels/bandwidth	12 non-overlapping channels with 2.08 MHz spacing and 1.75 MHz bandwidth
Frequency selection	Automatic or manually selectable via web browser interface.
Connector types	RF: RPTNC Female / 10/100 base T Ethernet RJ-45 / Power P5-2 2.1 mm
Status LEDs (Internal)	Power, Ethernet link, RF TX, RF RX, Channel (4), Link Quality (6)
Error correction technique	Sub-block error detection and retransmission
Adjacent band rejection	SAW receiver filter attenuates cellular and pager interference
Power regulation	Built-in switching regulator
Browser management tools	QoS Statistics, Network Settings, Spectrum Analyzer, Firmware Upgrade
Power consumption	Transmit: 1.7 Watts Receive: 0.8 Watts
Voltage	9 to 48 VDC via unused pins in RJ-45 jack - pins 4,5 positive, 7,8 ground
Transmit current draw	175 mA at 9 VDC / 140 mA at 12 VDC / 35 mA at 48 VDC
Temperature range	-40° C to +70° C
Size	Variable

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