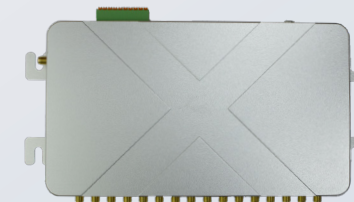


EMBEDDED MODULES



	M500	M600	M620	M630
Frequencies	UHF (865 - 868 MHz)			
Supported Standards	ISO 18000-63 (EPC Gen 2v2 UHF)			
Dimensions	21 × 21 × 3.7 mm	28 × 28 × 4 mm	55.9 × 35.6 × 6 mm	55.9 × 35.6 × 6.5 mm
Reader IC	E310 / E510 / E710	E310 / E510 / E710	E710	E710
TX Power	5dBm - 27dBm (±1dB) adjustable	+5...30 dBm, adjustable in steps of 1 dB	+5...33 dBm, adjustable in steps of 1 dB	+5...26 dBm, adjustable in steps of 1dB
Reading Distance	≥3m with 3 dBi antenna	Up to 9 meters*	Up to 9 meters*	≥3 m, with 2.5 dBi ceramic antenna
Power Supply	3.6~5.0 +/-5%	3.6...5 Vdc	5 Vdc	3.6...5 Vdc
Power Consumption	2.8W (Peak Value), 0.56A@5V, 27dBm 0.81w Standby 0.01A Boot Load Mode	850 mA @ +30 dBm TX Power 50 mA Standby 50 µA Power Down Mode	1300 mA @ +33 dBm TX Power 50 mA Standby 50 µA Power Down Mode	700 mA @ +26 dBm TX Power 50 mA Standby 50 µA Power Down Mode
Interfaces	SMD Uart3.3V TTL	UART TTL port	UART TTL port	UART TTL port
Antenna Connector	Solder Joints	Solder Joints	MMCX x1	MMCX x2

EMBEDDED MODULES



	M650	M670	M690	M700
Frequencies	UHF (865 - 868 MHz)			
Supported Standards	ISO 18000-63 (EPC Gen 2v2 UHF)			
Dimensions	74.8 × 48.5 × 8 mm	93.5 × 83.2 × 8 mm	93.5 × 83.2 × 8 mm	183 × 174 × 25.5 mm
Reader IC	E710	E710	E710	E710
TX Power	+5...33 dBm, adjustable: steps of 1 dB	+5...33 dBm, adjustable: steps of 1 dB	+5...33 dBm, adjustable: steps of 1 dB	5dBm-33dBm (±1dB) adjustable
Reading Distance	Up to 12 meters*	Up to 12 meters*	Up to 12 meters*	up to 12 meters*
Power Supply	5 Vdc	5 Vdc	5 Vdc	DC 12V / 3A / PoE
Power Consumption	1600 mA @ +33 dBm TX Power 120 mA Standby 40 mA enabling Mode	1600 mA @ +33 dBm TX Power 120 mA Standby 40 mA enabling Mode	1600 mA @ +33 dBm TX Power 120 mA Standby 40 mA enabling Mode	Standby 2.5W Work 13.5W (MAX) @+30 dBm
Interfaces	UART TTL port	UART TTL port	UART TTL port	RS232 RS485 Ethernet GPIO
Antenna Connector	SMA Socket x4	SMA Socket x8	16 SMA female connectors for external antennas	TNC-Male: 4 external (50 Ω) SMA - Male: 8 external (50 Ω) 16 external (50 Ω)