

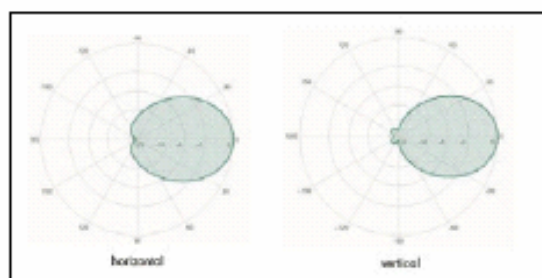
RFID UHF Controller A 928



W1ANTENNA001, Linear polarized 806 - 960 MHz Planar Antenna

A928 Technical Specifications	
Frequency	869.525MHz (CEPT/ETSI regulation) 902-928MHz (FCC regulation)
RF Power	25 mW – 500 mW ERP, SW programmable (CEPT/ETSI regulation) 25 mW – 4 W EIRP, SW programmable (FCC regulation)
Antenna	up to 4 antennas
Frequency Tolerance	±30 ppm over the entire temperature range
Number of Channel	In accordance with CEPT/ETSI and FCC regulation
Channel Occupancy	In accordance with CEPT/ETSI and FCC regulation
Digital I/O	Four TTL input lines (optically isolated) Four TTL output lines (open collector 100mA sink optically isolated)
Ports	RS232 RS485 Half duplex USB 2.0 Full Speed Ethernet 10/100BASE-T
Anticollision Rate	50 tags/second (with data rate of 40/40 Kbits/s for current EU regulations)
Maximum speed identification	up to 30 Km/h (preliminary)
Dimensions	260 x 130 x 165 mm ³ 10.2 x 5.1 x 6.5 inches ³
Electrical Power	110V/220V 50Hz/60Hz
Operating Temperature	-20 °C to 70°C

Antenna Technical Specifications	
Packaging	Light grey ASA
Weight	0.5 kg
Overall dimensions	200 x 200 x 43 mm ³
Operating temperature range	-40 °C + +80°C
Storage temperature range	-40 °C + +80°C
Windload	57 N @ 160 km/h
Frequency range	806 + 960 MHz
Impedance	50 Ohm
VSWR	1.8 (806 + 824 MHz); 1.5 (824 + 960 MHz)
Polarization	Linear, vertical
Gain	8.0 dBi
3 dB beamwidth horizontal	75°
3 dB beamwidth vertical	70°
Downtilt	0°
Front to back ratio	20 dB
Max. power	75 W (CW) @ 25 °C



Radiation pattern