



EDIT Wand Technical Brief

Standards	ISO Standards 11784
Operating Frequency	134.2KHZ
Tag Compatibility	Reads both ISO HDX and ISO FDX-B
Dimensions	
Barrel Angle 0°	Length - 815mm, Height - 70mm
Barrel Angle 22°	Length - 790mm, Height - 180mm
Barrel Angle 44°	Length - 770mm, Height - 210mm
Weight	950g plus depending on module
Construction	Yellow Handle – Injection Moulded Plastic with high temperature stability and impact resistance Grey Barrel – mandrill wound fibre re-enforced epoxy Rated IP65
Serial Output Format	Decimal – “982 000019814266”
LEDs	Ultra Bright green “TAG READ” LED indicates successful tag read and flashing indicates antenna fault Ultra Bright dual colour Red/Blue “POWER” LED indicates power level and flashing light indicates low battery
Real Time Clock (RTC)	Displays the Day, Date, Month, Year and Time
Non Volatile Memory	99 files each storing up to 999 tags plus timestamp
Sound	Piezo Buzzer gives an audible indication of -Power Up -Power Down -Tag Read -Duplicate Tag Read -Tag Deleted

Communications Interface	DB9, RS232, 9600, N, 8, 1, with diagnostic capability The RS232 connection can be extended to 10 meters without reducing the integrity of the serial output
Antenna Tuning	Fully Automatic and continuously operating
Power Input Options	12V DC 1.5A regulated external switched mode power supply or 230/240V or 110/115V plug pack (optional extra) or 8.4V DC Lithium Ion Battery (built-in charger)
Read Distances High Power Mode Low Power Mode	Up to 300mm HDX* Up to 350mm FDX-B* Up to 100mm HDX* Up to 100mm FDX-B*
Operating Temperature	-20°C to +40°C operating -20°C to +45°C storage (3 months)
Current Consumption	High Power Mode – 38mA typical Low Power Mode – 28mA typical
Warranty	12 Month Warranty against defect in materials and workmanship

Lithium Ion Battery Pack

Battery Pack Life	6 Hours continuous use between full charges
Charge Time	50% Charged (1 Hour) 95% Charged (2 Hours) 100% Charged (3.5 Hours)
Battery Pack Weight	100g

Display Wand

Display	16x2 PLED (Polymer LED) Character Display. Yellow-Green Emissive, High contrast, Wide viewing angle. Displays Tag Data and User Configuration Menus
Standards	ICAR Approved – Reference Number 2006001

Bluetooth® Wand

Bluetooth®	Bluetooth® V2.0 (Class 1) SPP Master or Slave Range +100m (330ft) depending on environment, typically +50m (165ft)
LED	Ultra Bright Blue LED indicates Bluetooth® Connection

* Actual Read Distances depend on the tag manufacturer, the size of the tag, orientation of the tag to the antenna and the influence of electronic noise.

The above technical details are subject to change at any time. Please check with EDiT ID for latest version.