



Active RFID Portal

LS2300, LS2305, LS4000
LS4020, LS4030, LS4035

The active RFID Quick Mount Portals are designed to cover strategic congestion points such as entrances and exit gates, conveyors, sorting machines, etc. The portals read all types of Lyngsoe tags such as postal tags, container tags, vehicle tags, etc. When a tag passes a portal, it reads the unique tag ID and adds both the exact time of reading and the portal ID number. This data is subsequently transmitted to a server through a LAN connection or GSM modem.

The portals are I/O enabled for direct connection to e.g. horn, lamp, sensor etc. for e.g. load control and directionality. Furthermore, to minimize cross-reads they can be motion sensor enabled and only operational when triggered. They also have a number of built-in watchdog functions for diagnostic monitoring of the units including automatic reset functions enabling optimum operation availability and uptime.

Optional features include a single board computer supporting the implementation of embedded application for control for various on-site logistics business applications such as load control and inventory management. It also comes in a ruggedized design, for optimum mobility and to resist transport damages and frequent mounting and dismantling. The portals are designed for fast and easy installation.

BENEFITS

- Objective SLA documentation
- Automated process monitoring
- Reduced mis-sendings
- Load space management
- Asset overview

FEATURES

- Objective identification
- Load control
- Alarm (horn, lamp)
- Wi-fi enabled
- Long range reading
- Industrial design
- Ruggedized

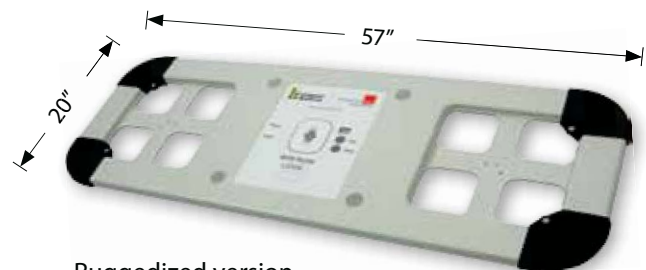


Technical specifications

		LS2300	LS2305	LS4000	LS4030	LS4035
RFID tag compatibility	All generations of LS active postal tags and LS asset tags	•	•	•	•	•
LF operating frequency	LF 125.0 KHz +/- 0.1 KHz	•	•	•	•	•
LF excitation field	Typically 9ft 10 in x 9ft 10 in/installed 8ft 2in above ground	•	•	•	•	•
LF modulation	ASK (On/Off keying)	•	•	•	•	•
LF field level	Max -94dBuA/m +/- 3dB at 9ft 10in	•	•	•	•	•
LF field synchronzation	Master/slave sync.	•	•	•	•	•
Supply Voltage:	24V DC +/- 10%	•	•	•	•	•
Power Consumption	330 mAmps	•	•	•	•	•
Power Consumption	2 Amps	•	•	•	•	•
Operating Temperature	-4F to 131 F	•	•	•	•	•
Storage Temperature	-35 F to 70 F	•	•	•	•	•
Relative Humidity	Max. 95% non-condensing at 104F	•	•	•	•	•
Dimensions	57" x 20" x 2"	•	•	•	•	•
Weight	19.8 lbs - 26.4 lbs	•	•	•	•	•
Max Mounting Height	9.19 ft above ground	•	•	•	•	•
Product Compatibility	S95, S21, S23	•	•	•	•	•
Conformity	FCC part 15, I-ETS 300-220, I-ETS 300-330, RSS210	•	•	•	•	•
Data Communication:	RS485 19.2, 38.4, 57.6, 115.2 kbps	•	•	•	•	•
Data Communication:	Ethernet	•	•	•	•	•
Data Communication:	GSM Quad-band 850/900/1800/ 1900 MHz, GPRS Multi Slot Class 10	•	•	•	•	•
Data Protocol:	UPU S23f standard	•	•	•	•	•
User I/O	Solid state relay 100mA/0-24V	•	•	•	•	•
Motion Sensor	Built-in passive infrared (PIR) with on/off switch	•	•	•	•	•
Optical Indicators	2 LEDs for status diagnostics	•	•	•	•	•
Memory:	EEPROM 1 kB, Flash 48 kB, SRAM 4 kB	•	•	•	•	•
Memory	256 kB non-volatile	•	•	•	•	•
Single Board Computer	SBC84620 500 MHz	•	•	•	•	•
SBC OS	Windows XP embedded	•	•	•	•	•
UHF frequency	433.92 MHz, ISM worldwide approved frequency	•	•	•	•	•
UHF Data Rate (tag to reader)	44 kbps	•	•	•	•	•
UHF Receiver Sensitivity	> -105 dBm at 12 dB SINAD for 1 kHz modulation and 15 kHz total	•	•	•	•	•



Standard version



Ruggedized version