STA Anti-Theft
Gate Reader

STALLION

Smarter... Faster... Higher...

STA Anti-Theft Gate Reader

SPECIFICATIONS

Model number   STA Anti-Theft Gate Reader

RFID

Air Interface protocol	ISO 18000-6C (EPC Class 1 Gen 2) ISO18000-6B
Frequency Band	902MHz - 928MHz, 865MHz - 867MHz, and sub-bands
Channels	50 (applicable to 902.5-927.5MHz frequency range)
Channel spacing	500KHz (applicable to 902.5-927.5MHz frequency range)
RF Power	0 to +31dBm
Receive Sensitivity	-80dBm
Antennas	4 High Performance, 7dBi Circular polarized antennas
Detection Range	2 - 3 meters

HARDWARE AND FIRMWARE MANAGEMENT

Processor	ARM CORTEX M3 100M
Memory	RAM 16Kbits + FRAM 32Kbits.
Reliable firmware upgrade	Web Management -based firmware upgrade capability; CommPort based firmware upgrade capability
API Support	.NET
Theft Indication	Audible Sound Alarm & Visible LED light

CONNECTIVITY

Communications	10/100 BaseT Ethernet (RJ45); RS-232 (DB9), RS-485
GPIO	2 inputs, TTL compatible, 0-5V, 2 outputs, TTL compatible, 0-5V, 3channel relay output control 0-250V AC
Power Supply	+9V to +15V DC, external universal power supply with locking connector

ENVIRONMENTAL & PHYSICAL CHARACTERISTICS

Operating Temperature	-20°C to +60°C (-4°C to +140°C)
Storage Temperature	-40°C to +80°C (-40°C to +176°C)
Humidity	5-95% non-condensing

REGULATORY COMPLIANCE

Certifications	FCC Part 15 regulations; CE certificate, following ETSI EN 302 208 v1.2.1 without LBT regulations. ISO-9001:2000