TITAN

High Performance Reader

Highlights

· Best-in-class Performance
· Multi-Protocol
· Four Antenna Ports
· Ruggedized for Harsh Environments
· Industrial Grade Design
· Gen2V2 Support
· Text Stream Interface (TSI)

Product Description

Star Systems International's Titan reader takes UHF RFID reader performance for toll systems to a new level by providing best-in-class high speed read accuracy and reliability. Titan is designed for high demand vehicle identification and tolling applications, particularly Multi-Lane Free Flow (MLFF) and High Occupancy Tolling (HOT/HOV).

Titan is capable of reading multiple protocols simultaneously, enabling seamless integration into current infrastructure and legacy transponder base, providing significant cost benefits. ISO-18000 63/6C, RAIN RFID/Gen2V2, ISO 18000 6B, 6B-80K, ISO 10374 (ATA), TDM (IAG), Title 21, Artefato SJ5511 and FLEX protocols are all supported by Titan.

Titan supports four high-speed antenna ports allowing redundant coverage of multiple lanes from a single reader.

Support for Gen2V2 and ISO 18000-63 encryption features provide secure over-the-air communications channels for applications where security is a concern.

Titan is designed with both the user and programmer in mind. It utilizes an industry leading, software-based radio architecture which provides easy integration into a variety of different applications.

Titan is designed for extreme outdoor weather conditions, and is fully FCC and ETSI compliant for global deployments.

Your Success is Our Vision

Datasheet Download

GEN 2v2

ISO 9001:2008 CERTIFIED COMPANY

Specifications

Physical

Dimensions	320 x 253 x 75mm (12.59 x 9.96 x 2.95")
Weight	3.50kg (7.7lbs)
Visual Indicator	LED (Power, Transmit, Detect, LAN)

RFID

Protocols	ISO 18000 6C/63 RAIN RFID/Gen2v2 ISO 18000-6B, 6B-40K, 6B-80K ISO 10374 (ATA) TDM (IAG/PS111) Title 21 Artefato SJ5511 FLEX
Supported Regions	FCC & ETSI
Conducted Power	*+10 to +33 dBm
Interference Rejection	Dense Interrogator Mode

Connectivity

Communications	10/100 BaseT Ethernet, CAN, RS232
GPIO	2 Inputs, 2 Outputs
Power Supply	PoE+ or +12 to 57 VDC, 1.25A
Antenna Ports	4 Monostatic, N-Type Female

Environment Requirement

Operating Temperature	-40°C to +70°C (Ambient) (-40°F to +158°F)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Humidity	100% Condensing
IP Rating	IP67

Hardware and Software

Memory	Persistent data storage for up to 1,000,000 unique transactions
Network Services	DHCP, HTTP, SNTP, Discovery

Regulatory

Safety	UL 60950-01, UL 2043, IEC 60950-1, EN 60950-1
RF/EMI/EMC	FCC Part 15, RSS 210, EN 302 208, ICES-003 Class B, EN 301 489-1/3, FCC Part 90 and RoHS, WEEE

*Can be limited to meet local regulatory requirements

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