TITAN

High Performance Reader

Highlights

- Best-in-class Performance
- Multi-protocol Reading
- Four Antenna Ports
- Ruggedized for Harsh Environment
- Industrial Grade Design
- FCC, ETSI Compliant
- Gen2V2
- 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 MLFF (Multi-Lane Free Flow) and HOT/HOV (High Occupancy Tolling).

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, ISO 18000 6B, TDM, Title 21, ATA Protocols can all be efficiently read by using Titan.

Titan, with its high RF sensitivity reading feature, can be used on to 4 high-speed lanes from a single reader, providing significant cost benefits to the operator. Up to 4 antenna ports provide roadside design and configuration flexibility.

Titan's advanced security features protect overall system integrity and provide the highest level of secure transactions.

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.

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Specifications

Physical

Dimensions	32 x 25.3 x 7.5 cm
	(12.59 x 9.96 x 2.95")
Weight	3.50kg (123.46oz)
Visual Indicator	LED
	(Power, Transmit, Detect, LAN)

RFID

Protocols	ISO 18000 63/6C
	GS1/EPC Global UHF Gen2
	RAIN RFID/Gen2v2
	NXP UCODE DNA (AES)
	ISO 18000-6B
	ATA, TDM (IAG), Title 21
	ISO 18000-6B-80K
	ARTESP
Supported Regions	FCC & Subregion
	ETSI & Subregion
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 +10 to 57 VDC
Antenna Ports	4 Monostatic, N-Type Female

Environment

Operating Temperature	-40 to +55 °C (Ambient)
	(-40 to +131 °F)
Storage Temperature	-40 to +85 °C
	(-40 to +185 °F)
Humidity	100% Condensing
IP Rating	IP67

Hardware and Software

Memory	Persistent data log for up
	to 100,000 unique entries
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

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