

IDT

T - 300 RFID/AEI Reader



- Small Size
- High Performance
- IP Based
- ARR S918A - Compliant
- Inexpensive
- Installer Friendly
- Developer Friendly

Complete S918a AEI/RFID Reader Solution – Meets all the standards of the AAR S918a standards and practices. Extensively tested throughout North America on mainline, industry leads and yards. Proprietary AI self learning axle algorithms and pattern detection, integrated off-track presence system, flexible configuration, speed and direction, relative tag location, train length, untagged car placement.

Advanced Power management including smart charging, failure notification, and optional temperature modules.

Detailed system health and diagnostics reports. Completely customizable health and diagnostics settings take the guess work out of incident response.

Versatile – The T-300 is an exciting, next-generation RFID reader for AEI Rail tag applications. Designed for outdoor use under harsh environmental conditions, the T-300 meets or exceeds IP-67 environmental standards. More than just rugged, the T-300 is smart. Built using state-of-the-art electronics, with TCP/IP networking capabilities and advanced DSP algorithms for more reliable RFID read performance, the technology in the T-300 is years ahead of other systems on the market today.

High Performance – Completely TCP/IP based with all the functionality that goes along with today's network appliance. Telnet, FTP, Direct File Transfer and Email options for file and system health information. All functions are managed through the web browser eliminating the need for special software or training. RSS feeds for customizable data updates.

Green – The reader uses about the same amount of power as a 40W light bulb. Advanced power management options make it perfect for use with solar.

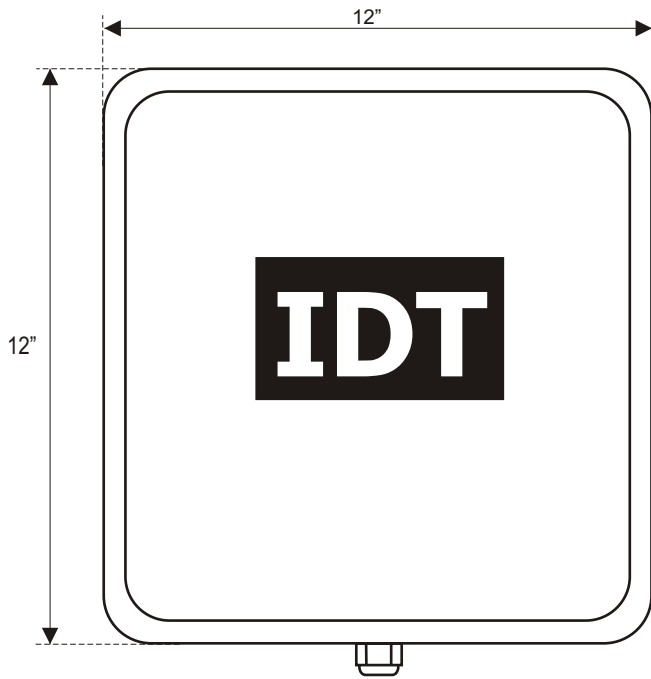


Figure 3: The T - 300 RFID Reader

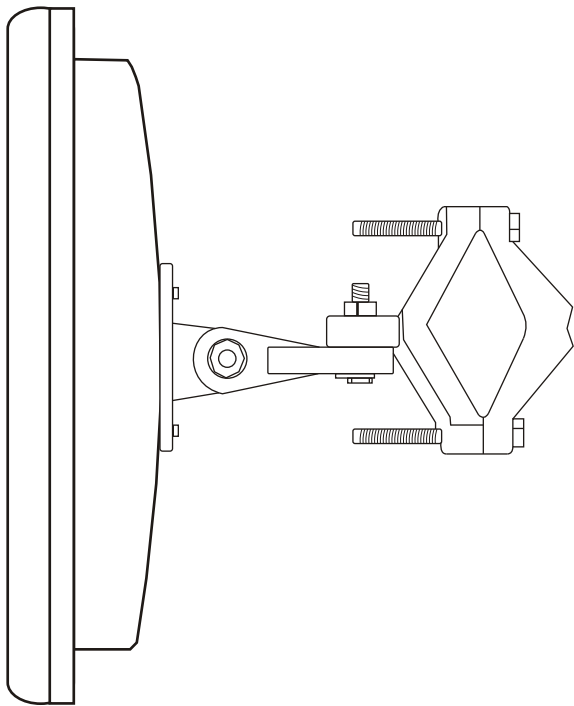


Figure 4: The T - 300 RFID Reader

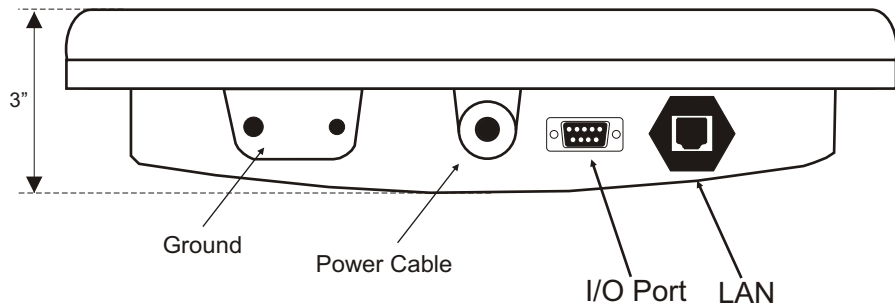


Figure 2: The T - 300D RFID Reader

Model Number	T - 300
Frequency	902~928MHz (Depends on regulatory region)
Physical	Width: 12 in Length: 12 in Height: 3 in Weight: 8.5 lbs
Environmental	Dust and Moisture: IP-67
EQT spec (temp/IP/ESD/vibration)	TBD
Regulatory Compliance	FCC part 90 Compliant RoHS
RFID Protocols	S918A ISO-18000-6C (EPC Gen2)
Read Rate	Up to 85 rps
Read Range	Approx. 5 meters with 9 dBi linearly polarized antenna (integrated)
Antenna	Integrated, 9dBi linear antenna
RF Power Output	15-30 dBm adjustable in 1 dB steps
Host Connections	Ethernet LAN: TCP/IP, HTTP and DHCP support Web interface available for configuration.
Remote Management Protocols	HTTP, Telnet
Power	Standard, NEMA 5-15 125 V Wall power
Power Consumption	TBD
Dense Reader Management	Dense Reader Mode
Software SDK	C#, JAVA, RUBY

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