



PROCYON

High Performance Integrated Reader

Highlights

- Full Featured, All Weather Reader
- Linux Operating System
- Embedded Software Support
- Ruggedized for Harsh Environment
- Industrial Grade Design
- Gen2V2 support
- Text Stream Interface (TSI)



Procyon™

Product Description

Procyon is a ground breaking reader with pricing and features previously only available in high-priced models. It is a high performance, all weather integrated UHF RFID reader with a rich feature set.

Now, with Gen2V2 support, Procyon provides the power and full flexibility to develop and implement systems using passive, open standard - EPC Class1 Gen2/ ISO18000-6C/63, RAIN RFID, GEN2V2 tags.

Procyon simplifies programming with its Text Stream Interface (TSI), easily allowing any operating system or platform interface with the reader. TSI is a full featured and ultra-simple programming structure using plain text commands. TSI also has the ability to support multiple languages and custom command emulations.

Applications

- Electronic Toll Collection
- Parking and Access Control
- Asset Track and Trace
- Warehouse Portal
- Dock Door Management
- Forklift Mounted Applications
- Supply Chain Management
- Tracking System for Animal Control

Your Success is Our Vision

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Datasheet Download





Specifications

Physical

Dimensions 450 x 450 x 140 mm
(17.72 x 17.72 x 5.51")

Weight 3.8kg (8.38lbs)

Frequency Range FCC : 920 - 928 MHz
ETSI : 865.6 - 867.6 MHz
India : 865 - 867 MHz

RFID

Protocol ISO 18000-6C/63 - EPC C1G2
Alien H3 (Block-Read-Lock)
NXP UCODE G2iL (EAS)
NXP UCODE DNA (AES)

Environment Requirement

Operating Temperature -20°C to +70°C (-4°F to +158°F)
Storage Temperature -40°C to +85°C (-40°F to +185°F)
IP Rating IP67

Connectivity

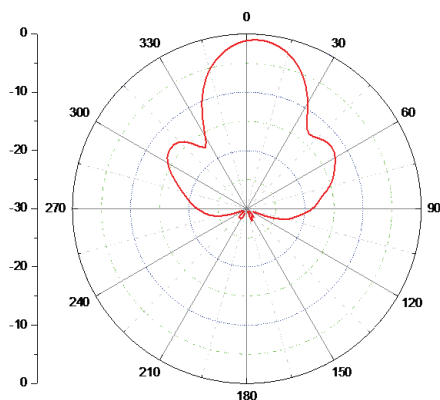
Communication Gigabit Ethernet (RJ45)
GPIO 2 IN, 2 OUT
RF Output Power 10 - 30 dBm, 1 dBm steps
Power Supply 48VDC, PoE IEEE 802.3AF

Hardware and Software

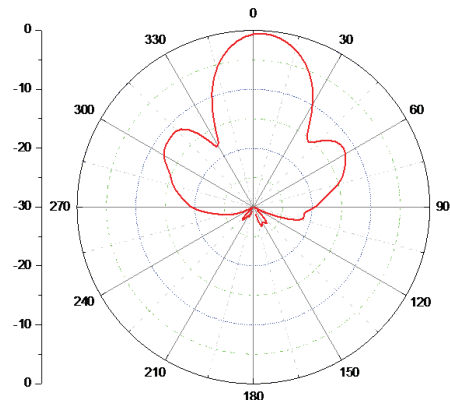
CPU Dual Core ARM7 Cortex-A9
FLASH / RAM 8 GB eMMC / 2 GB
Compliance FCC, ETSI, RoHS, WEEE
Optional SD Card SDXC, up to 2TB
Visual Indicators Reader Status LED

Radiation Pattern

Polarization 12 dBi Linear
Beam Width H : 40° V : 40°



H Plane



E Plane