



# 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*





## 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

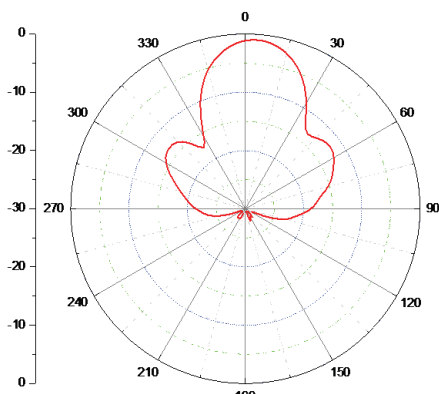
Communication Gigabit Ethernet (RJ45)  
GPIO 2 IN, 2 OUT  
RF Output Power 10 - 30 dBm, 1 dBm steps  
Power Supply 48VDC, PoE IEEE 802.3AF

### Hardware and Software

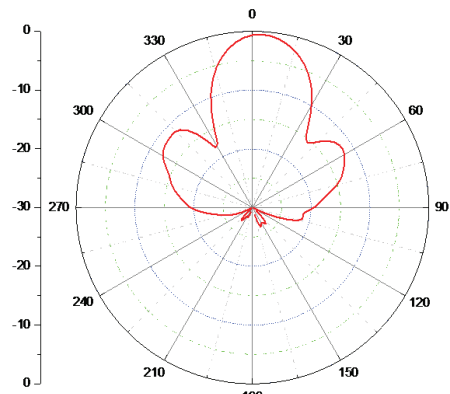
CPU Dual Core ARM7 Cortex-A9  
FLASH / RAM 8 GB eMMC / 2 GB  
Compliance FCC, ETSI, RoHS, WEEE  
Optional SD Card SDXC, up to 2TB  
Visual Indicators Reader Status LED

## Radiation Pattern

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



H Plane



E Plane