

IP-X Dual Frequency Registration Read-Only Reader



Group

IPICO INC
Ontario, Canada
tel: +1 905 631 6310
fax: +1 905 631 6614
info.can@ipico.com
www.ipico.com

Operations

South Africa
Pretoria
tel: +27 12 345 9520
fax: +27 12 345 5834
info.sa@ipico.com

Australasia

Clontarf, Queensland
tel: +61 7 3889 5799
fax: +61 7 3889 5980
info.aus@ipico.com

North Asia

Shanghai, China
tel: +86 21 5080 0345
fax: +86 21 5027 8271
info.cn@ipico.com

China

Beijing, China
tel: +86 10 8280 0541
fax: +86 21 8280 0546
info.cn@ipico.com

Europe

Valence, France
tel: +33 475 443 238
fax: +33 475 443 238
info.europe@ipico.com

USA

Georgia, USA
tel: +1 770 552 9654
fax: +1 404 601 9679
info.usa@ipico.com

Description

The IP-X Dual Frequency Registration reader consists of a DF Mini RF unit, Ver B, housed in a desk-top enclosure, and provided with an external mains power supply unit. The Reader is used mainly for testing DF tags and recording their factory-set 64-bit ID codes, and requires close proximity of the tag. It is connected via an RS232 cable to a PC or other device, which controls when the RF unit transmits, and records tag ID data. While the RF unit is transmitting it receives codes from in-range tags, and the decoder (the data processing part of the RF unit) filters out code repeats, so that only one occurrence of each code is output on the RS232 link. Normally one tag at a time is recorded. Depending on the PC's application software, each tag code may be time stamped and linked to other information (e.g. a name) before being stored or sent to another application.



Key Features

- § Transmits in licence free bands, 125 kHz
- § Low RF output
- § Can read multiple tags in the Reader beam
- § Integrated antenna set
- § Typical 0 -100mm read range depending on tag type
- § Real time clock (RTC)
- § IP-54 enclosure and connectors
- § Software, hardware, and diagnostics control
- § Built-in test and diagnostics
- § LED status indicator (Valid ID, RF ON, Reader ready)
- § Optional TX On/Off control input
- § Wiegand interface optional

Specifications

Item	Specification
Power Supply	110 -220 VAC into mains adaptor
Operating Frequency	Transmit 125 kHz , Receive 6.8 MHz
Read Range	Up to 100 mm, depending on tag type and environmental conditions
Communications	Binary or ASCII RS232 with programmable baud rate and flow control
Data processing	When the RF is ON, and tags are illuminated, the tag data is filtered to remove code repeats, and each unique code is transmitted once only. It needs to be captured by an external PC or other controller. When the RF is switched OFF and ON again, the tags again transmit their codes, and all unique codes will again be transmitted via the RS232 link.
Indicators	Green LED on = Power ON Red LED Rhythmic pulsing = Reader ready; flashing accompanied by audible beep = Valid code received
Electrical interface	PSU: Standard power socket for 12V PSU, supplied. Data: DB9 Male, RS232
Physical	Dimensions: 200 (L) x 156 (W) x 36 (H front), 100 (H back), all dimensions in mm Weight: 0.8 kg approx
Environmental	Temperature, Operating: -10 to +60°C; Storage: -20 to +85°C Humidity: 5 to 95% non-condensing UV resistant IP 54 compliant

Ordering Information

Product Name	Product Code	Description
DF Registration Reader RO	IP3059	IP-X DFRDR-REG-R-RO