SPECTRA
Your Identity Solution Partner

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CE Certified

FingerXs

Fingerprint Recording System

www.spectra-vision.com

"Take care of the minutes,
for the hours will take care of themselves"
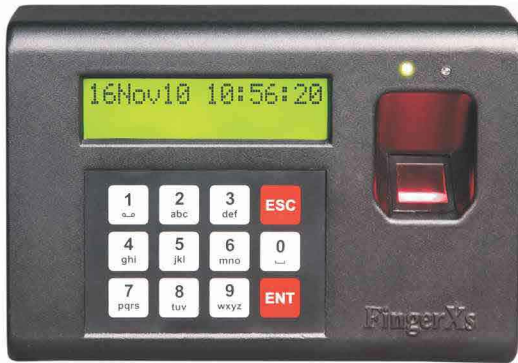
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HID connect | **iCLASS by HID** | **PROX BY HID** | CE Certified

Features

◉ **Rugged Fingerprint Algorithm**

Equipped with most reliable fingerprint matching algorithm to ensure unrivaled accuracy with best verification results.

◉ **Superior Verification Technique**

Quality score display before registration helps in identifying the ideal finger for routine verification whereas auto finger update helps in keeping the track of finger changes over the period thus adequately taking care of dry, wet & swollen fingers.

◉ **Inbuilt TCP/IP Network Interface**

Leveraging on the merits of IP based systems, it can easily be hooked up on the existing TCP/IP network. Thus the data can be transferred instantaneously in real time mode to a centralized server.

◉ **Aluminium Die Cast Enclosure**

Rugged aluminium die cast housing is meant to provide extra strength to the device particularly for rough industrial usage.

◉ **Field Upgradable Firmware**

Facility to onsite upgrade the firmware over Ethernet interface so that any customisation or new version can be easily upgraded without any need of removing the device.

◉ **Multiple RFID Technologies**

Supports all latest RFID technologies with inbuilt HIDiClass/HID Prox. reader and optionof having HID iClass/HID Prox. Fingerprint template can be stored on smart card with HID iClass technology to facilitate data portability & unlimited users without being dependent on the device template capacity.

Specifications : Hardware

CPU	:	8 Bit Microcontroller running at 42 MHz
Finger Print Sensor	:	Most rugged and accurate optical finger print sensor
Resolution	:	Finger Print Reader with 500 dpi resolution
EER	:	<0.1%
Reader Support	:	Inbuilt HID Prox / HID iClass reader for 1:1 match
Verification Time	:	1:1 match < 1 sec, 1:N match < 1 sec for less than 1000 templates
Template Storage	:	Non volatile memory to store 9000 finger print templates
Database	:	15,000 Employees Database with name, birthday schedule, time zone info etc.
Transactions	:	55,000 time stamped events storage capacity
RTC	:	Non Volatile Real Time Clock Calender, Data retention for more than 10 years without external power
Display	:	16 Character x 2 Line high contrast backlit LCD, LED indication for verification result
Keypad	:	12 Keys Membrane keypad for local programming
Communication	:	10 Base-T RJ45 ethernet interface (TCP/IP) with status LED indications
Reader Interface	:	Weigand configurable from 26 bits to 40 bits / Clock Data
Lock/Siren Interface	:	1 Potential Free changeover relay, contact rating 3A/30VDC
Aux Reader Port	:	One reader port is available for exit weigand or clock/data reader
Digital Inputs	:	One input for exit switch
Watchdog	:	Built-in watchdog supervisor
Supply Requirement	:	12VDC / 1A Switch mode supply
Power	:	Less than 5 watt
Enclosure	:	Rugged Aluminium die cast housing
Humidity	:	RH 5~95% Non-condensing
Weight	:	0.92 Kg
Dimensions	:	11.6 cm (L) x 17.0 cm (W) x 5.5 cm (D)

Specifications : Firmware

Quality Score	:	Display of quality score of a finger before confirming the registration
Auto Finger update	:	Finger template gets updated every time with latest finger image upon successful verification
Time Zone	:	16 user defined time zones
Message Display	:	Provision to display individual/global message
Master Finger	:	Up to 8 masters & 2 root masters may be registered for local programming
Two Finger Support	:	Provision to register two fingers per user
Siren Interface	:	User configurable 32 different time zones for siren or hooter alarm
Authentication Mode	:	Only Finger, Only card, Card + Finger
Template on Card	:	Supports template on card mode with contactless smart card

*Specifications are subject to change without any prior notice

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