

Single Fingerprint Scanner

FPR-800

Product Specification

Version 1.0



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1. Product Overview

1.1 Brief Introduction

MIAxis® model FPR-800 device is a Capacitive Fingerprint Reader in compliance with FBI PIV/Mobile ID FAP10 specification. The larger sensing area (0.5" x 0.65") enables it to cover a big surface area and capture efficient biometric data from fingerprints.

It's ideal for fingerprint data enrollment, registration and authentication. Powered by USB 2.0/3.0 and supports Windows, Linux and Android operating systems.

2. Product Specification

2.1 Technical Parameters

Parameter	Detail
Module size(L x W x H)	71.5mm×50.0mm×30.0mm(L×W×H)
Sensor module	FPR-220
Sensing area	14.05mm×22.05mm (0.55"x0.86")
Image Size	256×360 pixel
Image resolution	508dpi
Grey scale	256 levels
Enrollment time	≤250ms
Matching Time	≤100ms
Feature extraction time	≤1s
Search time	≤0.5s(The number of fingerprints is 200)
Matching Mode	1:1/1:N
Live finger detection	Yes
FAR	≤0.001%
FRR	≤1 %
ESD immunity	±8kV contact discharge, ±15kV air discharge
Supply voltage	DC 5V±5% (USB powered)
Supply current	≤80mA (USB powered)
Communication interface	USB/UART
LED	Red and Green
Speaker	Yes

Operating Temperature	-10°C to +55°C
Operating humidity	< 90% RH
Image format	WSQ, JPEG, RAW, BMP, ISO 19794-4, ANSI 381
Operating system environment	Linux Kernel 3.X or higher Windows 7 or higher Android 5.1 or higher
Net weight	110g

2.2 Product Photos

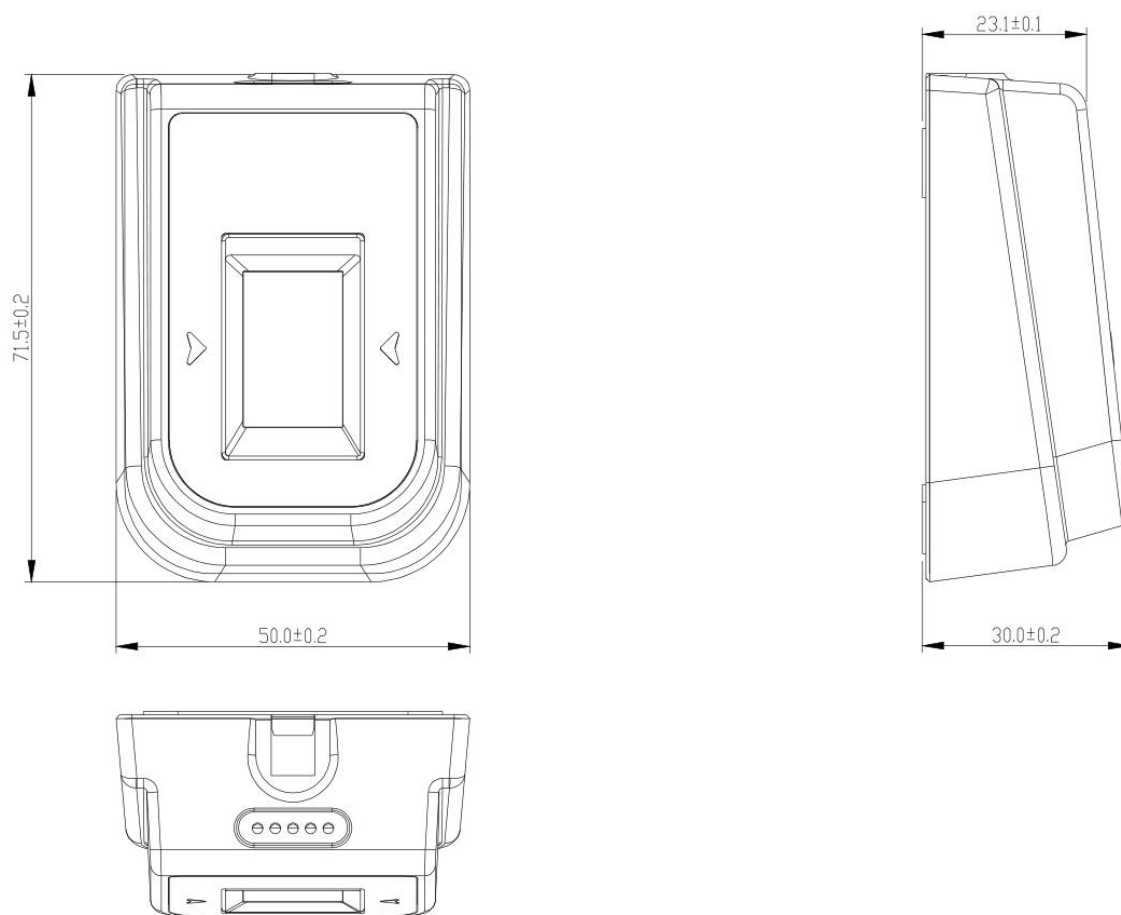


Front view



Back view

2.3 Mechanical Dimension



Unit: mm

2.4 Output interface

USB 2.0 high-speed with 1.6 meters standard USB cable