

MANTRA

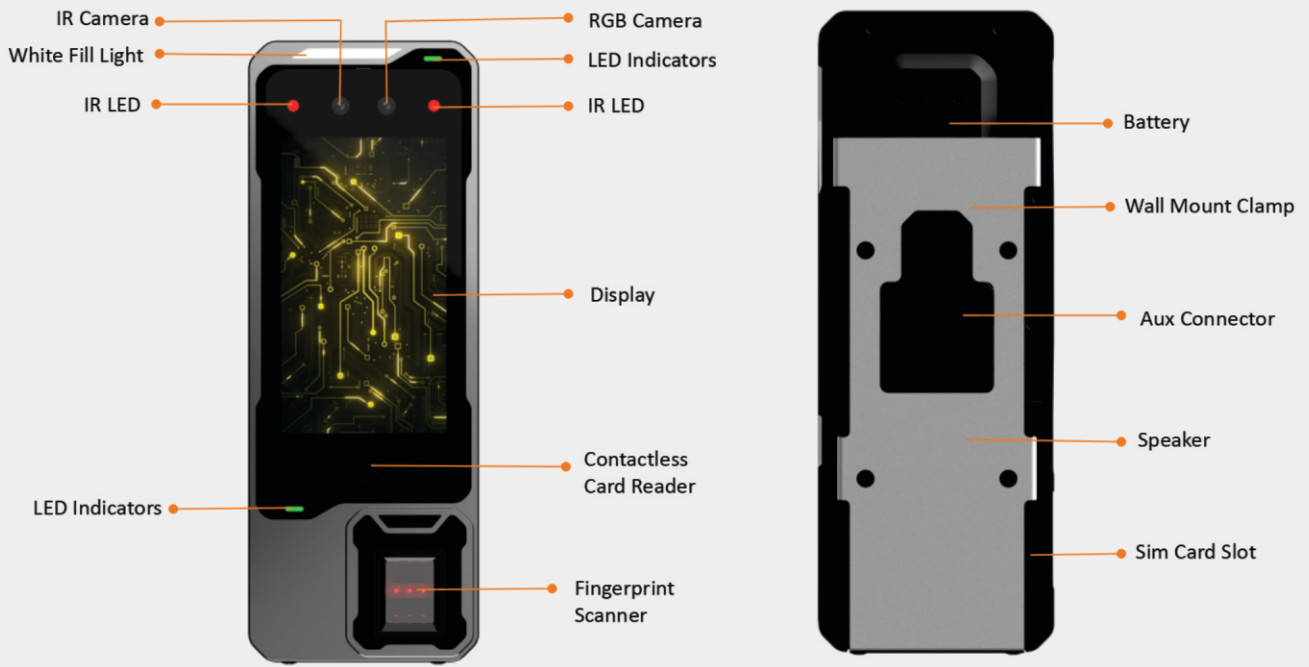
Elegant and Secure Facial Authentication Terminal

Mantra Softech is a Global Hi-Tech Manufacturer of Biometric Products and Solutions. We offer a Wide Range of Products in Biometric and RFID Industry.



BioNOMIC Fingerprint


FACIAL AUTHENTICATION TERMINAL

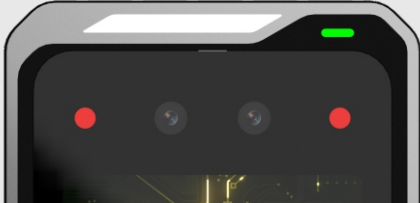


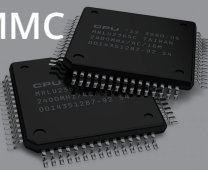
Introduction


The BioNIC Xtreme™, where sleek design meets cutting-edge technology, is an ultra-slim device featuring a vibrant multi-finger touch enabling effortless interaction. Wide dynamic camera excels in secure and swift Facial recognition for authorized users. The integrated Smart Card ensures versatility across various multi-factor authentication making it truly multi-model biometric device. A revolutionary approach to security that redefines safety through innovative solutions and leading-edge technology.


Main Features

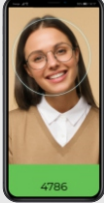
**IP65**

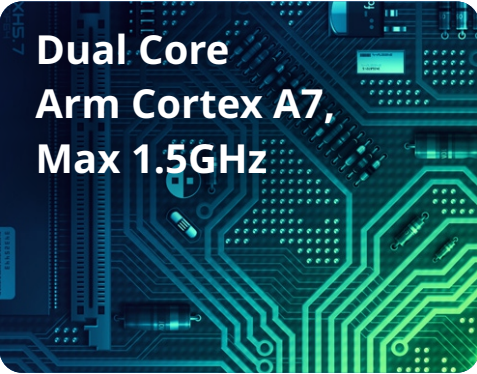
Dual RGB and Near Infrared Camera
2 Million WDR Pixel Resolution



2GB DDR4 + 16GB EMMC


**Fingerprint Scanner**

Supports ISO14443 Mifare Classic


**Liveness Check Passed**

Dual Core Arm Cortex A7, Max 1.5GHz


5 Inch, Vertical Screen H1280 * W720 Resolution
Multi Point Capacitive Touch Screen


FACIAL AUTHENTICATION TERMINAL

PRODUCT MODEL	PRODUCT NAME	PRODUCT CODE	DESCRIPTION
BioNIC Xtreme™	BioNIC FP6 Pro	BX051X12X	5"/Face/With 4G /Linux
		BX05ZX12X	5"/Face/Finger Print/With 4G /Linux

Specification



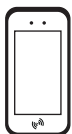
Hardware & System

CPU	: Dual Core Arm Cortex A7, Max 1.5GHz
NPU	: 1.2T FLOPS
Memory (RAM + Storage)	: 2GB DDR4 + 16GB EMMC



Display & Touch

Display	: 5 Inch, Vertical Screen 720*1280 Resolution Flash LED with Variable Intensity
Touch	: Multi Point Capacitive Touch Screen



Interface

Network module	: 1x RJ45
Wi-Fi	: Supported
Audio	: Support 2W/4Ω
LED Indicators	: Battery Charging Status, User Defined
RS485	: 1 x RS485
RS232	: 1 x RS232
UART	: 2 x UART
Wiegand Interface	: 1 x Input & 1 x Output
Relay Interface	: 2 x Relay
Power Jack	: DC 12V/2A
Battery Back-Up	: 1000mAh, 7.4v, 7.4Wh Li-ion Rechargeable Battery
Supervised Input (Configurable)	: 1. Egress Switch , 2. Fire Alarm, 3. Emergency Switch , 4. Lock Down Switch
RTC	: Supported
4G Module (Optional)	: Nano SIM card slot

Specification



Binocular Wide Dynamic Camera (RGB + IR)

Camera Type	: Dual RGB and Near Infrared Camera
Pixel Resolution	: 2 Million WDR
Recognition Time	: <200 ms
Pattern Recognition	: Local Identification, Support Offline, Support Mask Identification
Recognition Distance	: Upto 120 cm
Accuracy User	: >99.8%



Functions/Features

Face Detection	: Support multiple people detection and tracking
Face & Finger Database Capacity	: 2K/4K & 6K/12K
1:N Face Recognition	: Supported (2K, 6K)
1:1 Face Recognition	: Supported
Stranger Detection	: Supported
Face Recognition Accuracy	: Normal Light Condition > 99.8%, External Light Condition > 95%
Liveness Detection	: Supported



Smart Card Reader

Contactless Card (Optional)	: ISO14443 Type A/B Cards, Mifare Classic / Desfire
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Fingerprint Sensor

Fingerprint Type	: FAP20 Scratch Free Optical Sensor
Certifications	: CE, FCC, RoHS, STQC, PIV, IEC60950, IS13252 Part



Software

Operating System	: Linux OS, Kernel Ver. 4.19.111
Log Capacity	: 1M
Enrollment	: Supported



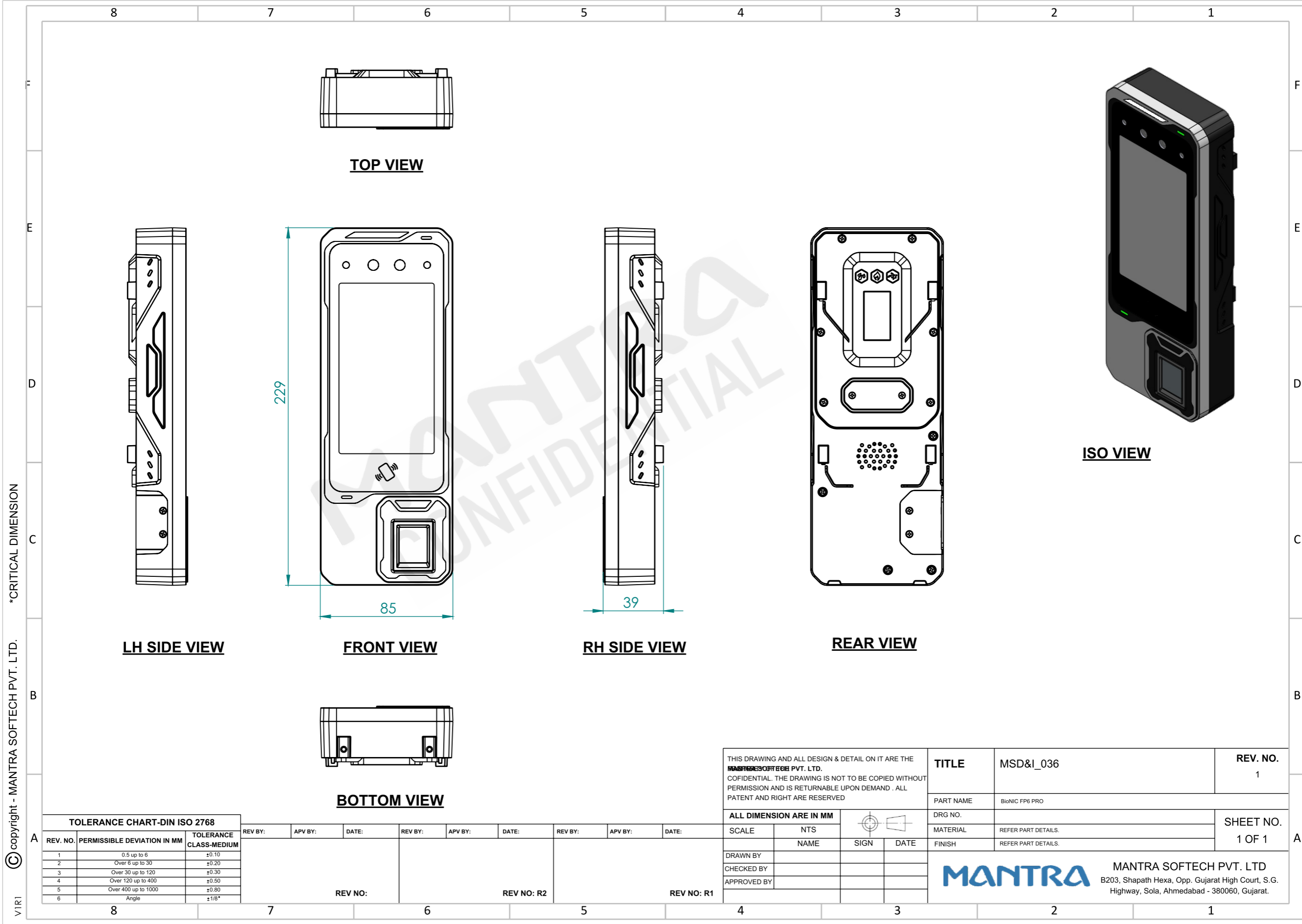
General Parameter

Operating Temperature	: - 10°C~60°C
Operating Humidity	: 90% RH (Non-Condensing)
Dimensions(L X W X H)	: 229mm*85.3mm*38.5mm
Weight	: ~ 500 grams
Mounting Type	: Wall Mount & Turnstile Mount



Certifications

Certifications	: CE, RoHS, BIS, IP65, IK08
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 V1R1

TOLERANCE CHART-DIN ISO 2768		
REV. NO.	PERMISSIBLE DEVIATION IN MM	TOLERANCE CLASS-MEDIUM
1	0.5 up to 6	±0.10
2	Over 6 up to 30	±0.20
3	Over 30 up to 120	±0.30
4	Over 120 up to 400	±0.50
5	Over 400 up to 1000	±0.80
6	Angle	±1/8°

REV. NO.	PERMISSIBLE DEVIATION IN MM	TOLERANCE CLASS-MEDIUM	REV BY:	APV BY:	DATE:	REV BY:	APV BY:	DATE:	REV BY:	APV BY:	DATE:
REV NO:						REV NO: R2			REV NO: R1		

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SCALE	NTS	SIGN	DATE
DRAWN BY	NAME		
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APPROVED BY			

TITLE	MSD&I_036	REV. NO.	1
PART NAME	BioNIC FP6 PRO	SHEET NO. 1 OF 1	
DRG NO.			
MATERIAL	REFER PART DETAILS.		
FINISH	REFER PART DETAILS.		
		MANTRA SOFTECH PVT. LTD B203, Shapath Hexa, Opp. Gujarat High Court, S.G. Highway, Sola, Ahmedabad - 380060, Gujarat.	

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