

Nilamtec B1Pro

WHAT IS NILMATEC B1PRO?

IN THE DIGITAL TRANSFORMATION, NILAMTEC B1PRO IS POWERFUL TOOL HELPS YOU TO COLLECT AND PROCESS THE DATA NO MATTER IT IS NEAR OR FAR.

The Nilamtec B1Pro is a rugged handheld designed for digital transformation execution in harsh environment. You can make use of it to collect accurate data for your digital transformation processes, and communicate with your frontline staffs on real time basis to make sure that the tasks are completed precisely.

Large Screen and Light Weight

B1Pro is a full functioned Android 13 smartphone with 6" sunlight readable and glove operable screen. And its weight starts from 287g (including battery). It is as easy to use as consumer type smartphone.

Purpose Built Identity Document Reading Capability

As built-in features, B1Pro has powerful OCR document and contactless card reading capability. It is capable to read major ID cards¹ text data, and ICAO compliance passport MRZ, document text and contactless card data.

Industrial Application Features

To increase your field application efficiency and accuracy, rich hardware options for industrial applications are available for your choices. Built-in 1D/2D barcode scan engine allows you capture barcode as fast as professional bar code scanner.

Reliability and Efficiency in The Field

You can take B1Pro as a smartphone to the field without worry about dust, water, damage caused by dropping the phone, high or low temperature, and long operation hour.

- B1Pro provides IP68 rated protection from dust and water ingress. The device is protected against 1.2-meter depth water for 30 minutes.

- Tested against MIL-STD-810G standard, the operating temperature of B1Pro is from -20°C to +60°C. The drop resistance is also up to 1.2m. B1Pro provides you uncompromised support whenever you need it.

- Two user defined hard keys are available for fast access important applications, such as SOS, PTT call.

- User replaceable 5000 mAh battery allow you keep working all day long in remote sites.

- Integrated 20M pixel rear camera and 5M front camera allow you take sharp photos for your information sharing.

- 6" LCD screen provides bright and easy to read display.

Nilamtec B1Pro Helps you to win the game in digital transformation

It is a smart investment in B1Pro. B1Pro helps you to improve your field operation efficiency in passenger identity control, worker attendance taking, E-work flow management, and more.



Global Distributor:
Strobus (Far East) Limited
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Your Local Distributor:

Nilamtec B1Pro

STANDARD FEATURES

SYSTEM

- Integrated LTE cellular data, voice, and text capability
- 20MP rear camera, 5MP front camera
- Bluetooth 5.2
- WIFI IEEE802.11 a/b/g/n/ac/ax, 2.4GHz and 5GHz
- Capacitive multi-touch 6" LCD 1440 x 720 Gorilla Glass Screen, 500cd/m² Brightness
- 5000 mAh long lasting, user replaceable, wide temperature range battery
- Qualcomm Snapdragon SM6225 Octa core 4x A73 , 2.4GHz, 4xA53, 1.8GHz Processor.
- 4GB RAM, 64GB Flash Memory (optional upgrade to 8 GB RAM, 128 GB Flash Memory)
- Support Micro SD card
- Dual SIM, Dual Standby

OPERATING SYSTEM

- Android 13

COMMUNICATIONS NETWORK

- GSM:850/900/1800/1900,
- WCDMA: B1/B2/B5/B8,
- TDD-LTE: B38/B40/B41,
- FDD-LTE: B1/B3/B5/B7/B8/B20/B28
- WIFI: IEEE 802.11 a/b/g/n/ac/ax, 2.4GHz and 5GHz
- Bluetooth: Bluetooth 5.2
- USB: USB 3.0, Type C
- NFC
- Extended Pogo Pin Interface: USB, UART, GPIO

POWER MANAGEMENT

- Battery: 5000 mAh wide temperature range, user replaceable Li-ion battery
- Fast Charging: 5V, 2A (QC3.0)
- Wireless Charging: Optional

SENSORS

G Sensor, Temperature Sensors, Gyroscope, Light Sensor, E-Compass

TECHNICAL SPECIFICATIONS

PHYSICAL

- Size: 162 x 81.6 x 13 mm
- Weight: approx. 287 g (including battery, and scanner)
- Processor: Qualcomm Snapdragon SM6225 Octa core 4x A73 , 2.4GHz, 4xA53, 1.8GHz Processor.
- Memory: 4GB RAM, 64GB Flash (Optional Upgrade to 8+128GB)
- User Interface: Hard Power, Volume up/down Keys, Function Key x 2
- Battery: 5000 mAh, user replaceable, wide temperature range Li-ion battery

ENVIRONMENTAL

Temperature:

- Operating: -20 °C to +60 °C
- Storage: -30 °C to +70°C

Humidity:

- 95% non-condensing

Dust and Water Proof:

- IP68 (1.2 meter depth water for 30 minutes)

Drop Resistance:

- 1.2 m free drop (MIL-STD-810G)

INPUT/OUTPUT

Extended Memory: Micro SD card (T card)

Display:

Damage-Resistant Gorilla Glass
6" LCD Capacitive Multi-touch screen
1440 x 720 Pixel resolution
500 cd/m² brightness

Audio:

Built-in speaker and microphone
Support USB-C type corded microphone

Camera:

Rear Camera: 20MP with flash light
Front Camera: 5 MP

Scanner: 1D/2D

Identity Document Reading:

OCR

ID Card¹ text reading
ICAO Passport text reading
ICAO MRZ reading

Contactless Card

ICAO e-passport contactless card reading

Optional Features:

- Fingerprint
- Wireless Charging

Note:

1. Please consult your distributor for the list of ID cards which supported by OCR reading



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Your Local Distributor: