

Nilamtec B1 Series

IS NILAMTEC B1 A BOMBER?

NO, THE FAMOUS BOMBER IS ROCKWELL B1. IN THE DIGITAL TRANSFORMATION GAMES, NILAMTEC B1 IS ALSO AS POWERFUL AS ROCKWELL B1. NILAMTEC B1 HELPS YOU TO COLLECT AND PROCESS THE DATA NO MATTER IT IS NEAR OR FAR.

The Nilamtec B1 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

B1 is a full functioned Android 9 smartphone with 6" sunlight readable and glove operable screen. And its weight is just 200g. It is as easy to use as consumer type smartphone.

Industrial Application Features

To increase your field application efficiency and accuracy, rich hardware options for industrial applications are available for your choices. 1D/2D barcode scan engine allows you capture barcode as fast as professional bar code scanner. High precision GNSS from meter to sub-meter level accuracy are also available. You can make use of it to record and track the field work location precisely. UHF RFID reader is also available as a plug-in.

Reliability and Efficiency in The Field

You can take B1 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.

- B1 provides IP68 rated protection from dust and water ingress. The device is protected against 1 meter depth water for 1 hour.
- The operating temperature of B1 is from -20°C to +60°C. B1 supports you in both cool winter and hot summer.
- User replaceable 5000 mAh battery allow you keep working all day long in remote sites.
- Integrated 13M pixel rear camera allows you take sharp photos for your information sharing.
- 6" LCD screen provides bright and easy to read display.

Nilamtec B1 Helps you to win the game in digital transformation

It is a smart investment in B1. B1 helps you to improve your field operation efficiency in Worker Attendance Taking, E-work flow management, GIS data collection and more.



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Your Local Distributor:

Nilamtec B1 Series

STANDARD FEATURES

SYSTEM

- Integrated LTE cellular data, voice, and text capability
- 13MP rear camera, 5MP front camera
- High sensitivity GNSS receiver and antenna
- Bluetooth 4.2
- WIFI IEEE802.11 a/b/g/n/ac, 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 SDM632 Octa core 1.8GHz Processor, or SDM450 Octa core 1.8GHz Processor.
- 3GB RAM, 32GB Flash Memory (optional upgrade to 4+64 GB)
- Support Micro SD card
- Dual SIM, Dual Standby

OPERATING SYSTEM

- Android 9

COMMUNICATIONS NETWORK

- GSM:850/900/1800/1900,
- EVDO: BC0,
- WCDMA: B1/B2/B5/B8,
- TDD-LTE: Band38/Band39/Band40/Band 41,
- FDD-LTE: Band1/Band2/Band3/band4/ Band5/Band7/band8/band17/ band20/band28
- WIFI: IEEE 802.11 a/b/g/n/ac, 2.4GHz and 5GHz
- Bluetooth: Bluetooth 4.1
- USB: USB 3.0, Type C
- NFC
- Extended Pogo Pin Interface: USB, UART, I²C, GPIO

POWER MANAGEMENT

- Battery: 5000 mAh wide temperature range, user replaceable Li-ion battery
- Fast Charging: Support Qualcomm QC 3.0 (need to work with QC 3.0 charger)
- Power on: Support auto power on (optional)
- Wireless Charging: Optional

SENSORS

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

TECHNICAL SPECIFICATIONS

PHYSICAL

- Size: 162 x 82 x 14 mm
- Weight: approx. 200 g (including battery, the weight varies with models)
- Processor: Qualcomm SDM632 Octa core 1.8GHz, or SDM450 Octa core 1.8GHz
- Memory: 3GB RAM, 32GB Flash (Optional Upgrade to 4+64GB)
- 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 (water resistance: 1 meter for 1 hour)

Drop Resistance:

- 1.2 m free drop to concrete

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: 13 MP with flash light
Front Camera: 5 MP

Optional Features:

- 1D/2D barcode scan engine
- Fingerprint
- Wireless Charging
- GNSS Positioning:
 - Meter level accuracy (by DGNSS) with raw data output
 - Sub-meter level by RTK
- UHF RFID Plug-in (available soon)



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