

## Rugged tablet, 10.1", Android, GMS, 4+64GB, LTE, 2D, Wifi, BT, GPS, NFC

Birch P8100P handheld industrial tablet helps you to perform best with professional applications, in manufacturing workshops, logistics warehouses, government inspection sites, or health care organizations. Combined with the charging cradle (optional) it can be easily used as an Android POS system for small shops and restaurants.

The durable Birch P8100P tablet will find its application in virtually any industrial, warehouse, office, or business application. It is equipped with a powerful eight-core processor, a high-end barcode and 2D code scanner, a front and rear camera, an NFC reader for accepting payment cards.



In combination with a communication & charging cradle, it can also be used as a touchPOS system in a small shop or restaurant, while the tablet itself can be anytime removed from the stand if necessary, and used for receiving goods, warehouse operations, or in a restaurant for receiving orders among tables.

### Main features of the Birch P8100P industrial tablet

- Top scanning module for reading 1D/2D/QR codes, accurate data collection even from dirty, damaged or deformed codes
- Wireless reading of NFC cards
- Versatile network connectivity: Bluetooth, dual WiFi and LTE
- High-performance octa-core processor and Android operating system
- Removable 3.8V 10000 mAh Li-Pol battery
- IP67 certification and withstands drop from a height of 1.2 m
- High precision RTK positioning module



# Technical Description

## Functionality & Operation

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Memory                     | 4GB RAM                                                                                                                     |
| Data memory                | 64GB ROM                                                                                                                    |
| Expansion slot             | Micro SD Card (SDXC), 2x SIM                                                                                                |
| Operation interface        | ON/OFF, volume up and down keys, scan button, color touch LCD panel                                                         |
| Communication interface    | 802.11 a/b/g/n/ac/d/h/i/r/k/v/w dual band, Bluetooth 5.0 BR/EDR & BLE, Audio, NFC, USB, WLAN (WiFi), WWAN, WPAN IEEE 802.15 |
| Touch-screen panel         | Yes, capacitive multi-touch                                                                                                 |
| Frequency                  | 13.56 MHz                                                                                                                   |
| RFID transponder protocols | ISO 14443A, ISO 14443B, ISO 15693, NFC (NDEF), NTAG215, MIFARE Classic, MIFARE Classic 1K                                   |
| Operating system           | Android 10                                                                                                                  |
| CPU Type                   | Octa Core 2.2 GHz                                                                                                           |
| Display type               | 10.1", 1920x1200px                                                                                                          |
| 1D Barcode Symbolologies   | All standard one-dimension barcodes                                                                                         |
| 2D Code Symbolologies      | all standard 2D-Codes                                                                                                       |

## Optical

|                     |                                                    |
|---------------------|----------------------------------------------------|
| Camera              | 5 MPix (front)                                     |
| Camera              | 13 MPix, with Autofocus, with LED flash (rear)     |
| Sensors             | gyroscope, photometer, accelerometer, magnetometer |
| Bar code scanner    | 2D Imager                                          |
| Maximal skew angle  | 60°                                                |
| Maximal pitch angle | 60°                                                |

## Electrical

|                   |                                         |
|-------------------|-----------------------------------------|
| Main battery pack | Extended Li-Ion battery 10000 mAh, 3,7V |
|-------------------|-----------------------------------------|

## Mechanical

|            |                                              |
|------------|----------------------------------------------|
| Dimensions | Width: 255.4mm, Height: 175mm Length: 18.5mm |
|------------|----------------------------------------------|

## Environment

|                       |                                       |
|-----------------------|---------------------------------------|
| Shock resistance      | drop from 1,2 m onto concrete surface |
| Ingress protection    | IP67                                  |
| Operating temperature | 20 to 60°C                            |

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