

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
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Mechanical

Dimensions	Width: 255.4mm, Height: 175mm Length: 18.5mm
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Environment

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

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