BD100

Windows 10 IoT Core wearable computer

The new unitech BD100 is a Windows 10 IoT Core wearable computer suited for a wide range of enterprise applications. Rugged, versatile and customizable to meet the needs of today's high performance workplaces, the BD100 is a unique, multifaceted device that introduces a new level of usability and efficiency.

Compact but Powerful

Lightweight and wearable, the BD100 can be used as an e-Badge, to grant access to facilities as well as activate a time-stamp. In addition, it has an integrated advanced quad-core CPU (1.3GHz) to power your business applications. This device can be used as a personal communication instrument to inform and instruct individuals; it can also be used as a workflow deployment tool, a collaborative work tool and many more.

Reliable and IP67 Durable Design

With its IP67 rugged housing and strong strap, it withstands harsh conditions and is durable enough for long work shifts. Light and small, it is unobtrusive and easily integrates into daily workflows and processes. Besides, the BD100 is certified by Microsoft's Azure cloud services and device management capabilities.

Versatile Capability

The BD100 is equipped with a 5 megapixel camera to read barcodes and retrieve information instantly. Thanks to its bright TFT LCD screen, important information can be read at a glance and with its highly sensitive capacitive touch display, it can be operated even while wearing gloves. Use the speaker and microphone to communicate with yor team or specialists to answer questions and solve problems immediately.

Wireless Mobility

Designed to be used in the work environment, the BD100 offers WiFi 802.11 a/b/g/n, GPS, NFC and Bluetooth 4.0 so you can access location-based services or get connected quickly and securely. Beyond a comple smart device, the BD100 can be used for various applications tailored to each business function and will help make processes and workflows more efficient.

Features

- Windows 10 IoT Core operating system
- Ultra compact and lightweight can be worn as on a lanyard, or belt clip
- Built for enterprise use: IP67 environmental seal
- Highly sensitive touchscreen works with a gloved hand
- Integrated wireless communication (Bluetooth / Wi-Fi / NFC)
- 5MP autofocus camera for data collection

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09/17 Rev.B

Microsoft Azure Certified

System Features

OS	Windows 10 IoT Core
CPU	Qualcomm APQ8009 Quad-Core processor @1.3GHz
Memory	1GB LPDDR2 SDRAM
Storage	8GB eMMC Flash (optional max. 16GB)

Display

1.54" Capacity Touch Screen (320*320) with Gorilla Glass

Camera

5MP Auto Focus Camera (optional)

RFID

Support NFC

Audio

Speaker *1
Microphone *1

Environmental

Sealing	IP67
ESD	air ±8KV
	contact±4KV

Communication

WLAN	802.11 a/b/g/n @5GHz & 2.4GHz
Bluetooth 4.0	(Classic + LE)
NFC	(Tag Mode)

Battery

430 mAH Battery (Non-removable)

Sensors

3-axis accelerometer & Gyro sensor
GPS/GLONESS
G-sensor
Bio sensor (optional)

Interface

Pogo Pin (set)

Indicator

Vibrator

Keypad

Power Key
Program key

Enclosure

Weight	55g (est.)
Dimension	50mmx51.7mmx14.3mm (With supporting Band)

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