

Enterprise Mobile Computer

BG-D2-SC

Rugged Android 14 mobility for demanding field and warehouse environments.

IP67

WATERPROOF & DUSTPROOF

5000mAh

DETACHABLE BATTERY

1.5m

DROP RESISTANCE

18W

FAST CHARGE



KEY FEATURES



Android 14 GMS & AER

Fully certified with Google Mobile Services and Android Enterprise Recommended, supporting Eclipse and Android Studio development.



IP67 Rugged Chassis

Rated IP67 waterproof and dustproof with 1.5 m drop resistance and 1000-round tumble testing at 0.5 m.



Four Scan Engine Options

Choose from four 2D image scan engines (Class II laser safe) covering 1D and 2D barcodes at ranges up to 950 mm.



Hot-Swap Battery

Detachable 5000 mAh (or 6000 mAh) Li-ion battery with 18 W fast-charge sustains workers across extended shifts.



Tri-Constellation GNSS

GPS (L1+L5), GLONASS (L1), and BeiDou (B1) with AGPS deliver precise positioning across all geographies.



HF RFID & NFC

13.56 MHz HF RFID/NFC with ISO15693, ISO14443A/B, and Mifare support enables versatile contactless data capture.



Dual-Band Wi-Fi & BT 5.1

IEEE 802.11a/b/g/n/ac dual-band Wi-Fi with WPA2 Enterprise and Bluetooth 5.1 with BLE ensure reliable wireless connectivity.



13 MP PDAF Camera

A 13 MP phase-detection autofocus rear camera and 5 MP front camera with dual noise-cancelling microphones support rich media capture.

PROCESSOR & OS

CPU	Octa-core 2.0 GHz
Operating System	Android 14 (GMS & AER certified)
Development	Eclipse, Android Studio

MEMORY & STORAGE

RAM	4 GB (optional 6 GB)
ROM	64 GB
Expandable	Up to 128 GB via microSD

DISPLAY

Size	5.5-inch capacitive touch
Resolution	720 × 1440
Touch Modes	Wet-hand & glove mode

SCANNING

Scan Engines	4× 2D image options; Class II laser
Range	Up to 950 mm
1D Barcodes	UPC/EAN, Code 128, Code 39, and more
2D Barcodes	QR Code, Data Matrix, PDF417, Aztec, and more

CAMERA & AUDIO

Rear Camera	13 MP PDAF, 4224×3136, flash
Front Camera	5 MP, fixed-focus, 2592×1944
Audio	Single speaker; dual noise-cancelling mics

CONNECTIVITY

Wi-Fi	802.11a/b/g/n/ac, 2.4 & 5 GHz
Wi-Fi Security	WPA2 Personal/Enterprise, EAP suite
Bluetooth	5.1 with BLE, Class II
Cellular (EU/Asia)	GSM, TD-SCDMA, WCDMA, CDMA, TDD/FDD-LTE
Cellular (N. America)	GSM, WCDMA, TDD/FDD-LTE incl. B2/4/12/13/17
Interface	Waterproof USB-C (USB 2.0 HS, OTG, fast charge)

POSITIONING & RFID

GNSS	GPS L1+L5, GLONASS L1, BeiDou B1; AGPS
RFID / NFC	HF 13.56 MHz; ISO15693, ISO14443A/B, Mifare

BATTERY & CHARGING

Standard Battery	5000 mAh Li-ion, detachable
Extended Battery	6000 mAh Li-ion (optional)
Fast Charge	18 W

RUGGEDNESS

IP Rating	IP67
Drop Resistance	1.5 m
Tumble Test	1000 rounds at 0.5 m (≡ 2000 impacts)
ESD Protection	±15 kV air; ±8 kV direct discharge
Operating Temp.	-20 °C to +55 °C
Storage Temp.	-40 °C to +70 °C
Humidity	5%-95% RH non-condensing

SENSORS

Sensors	G-sensor, light, proximity, compass, gyroscope
Notification	Sound, vibration, LED indicator

DIMENSIONS & WEIGHT

Dimensions (5000 mAh)	156 × 76 × 13.9 mm
Dimensions (6000 mAh)	156 × 76 × 16.4 mm
Weight (5000 mAh)	255 g
Weight (6000 mAh)	279 g

Warehouse inventory management and pick-and-pack operations / Field service and logistics with real-time GNSS tracking / Retail stock replenishment and point-of-sale support / Asset tracking with RFID/NFC across supply chains / Healthcare and pharmaceutical barcode verification workflows

E&OE. Specifications subject to change without notice.

OPTIONAL ADD-ONS

Extend the BG-D2-SC with BOSH Group's range of purpose-built accessories for charging, handling, and protection.



 **Pistol Grip**



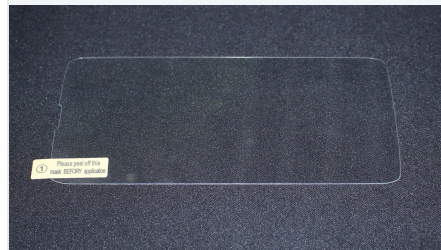
 **Docking Charger**



 **Multi-Bay Charger**



 **Rugged Case**



 **Screen Protector**



 **Multi Battery Charger**

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