

SPECIFICATIONS

MEMOR™ 11 MOBILE COMPUTERS



**WI-FI ONLY MODEL AND
WI-FI/CELLULAR MODEL AVAILABLE**

WIRELESS COMMUNICATIONS

WLAN: IEEE 802.11 a/b/g/n/ac and 802.11 d/h/i/k/r/v/w; Wi-Fi alliance Certification; WPA3 (Personal and Enterprise)

WPAN: Class 2, Bluetooth® V5.0, Low Energy (BLE) Support

NFC Communication: Support for the following standards: ISO14443-4 (type-A, type-B); ISO15693; Mifare; Felica

WWAN Cellular: Only applies to Wi-Fi/Cellular model:
LTE-Advanced / 4G+; Cat 6

GPS: Integrated Assisted-GPS (A-GPS)

Supported Types: GPS, GLONASS, BeiDou

DECODING CAPABILITY

1D / Linear Codes: Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes

Digital Watermark Codes: Digimarc® Barcode

2D Codes: Aztec Code, Data Matrix, HanXin Code, MaxiCode, MicroQR Code, QR Code, Dotcode

Postal Codes: Australian Post, Japan Post, KIX Code, PLANET, POSTNET, Royal Mail Code (RM4SCC), USPS Intelligent Mail

Stacked Codes: Micro-PDF417, PDF417, GS1 Composite, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, OCR (ID Cards, Passport)

ELECTRICAL

Battery: Replaceable battery pack with rechargeable Li-Ion batteries; 3.8 V; 4,100 mAh (15.6 Watt-hours)

Wireless Charging: 10 Watt fast charging

ENVIRONMENTAL

Drop Resistance: Withstands drops from 1.5 m / 5.0 ft onto concrete (with rubber boot); Withstands drops from 1.2 m / 4.0 ft onto concrete (without rubber boot). Tested onto steel/ concrete according to IEC 60068-2-32 Method 2 and MIL STD 810H Transit drop test

Tumbles: Withstands 1,000 hits from 0.5 m / 1.6 ft and 250 hits from 1.0 m / 3.2 ft per IEC 60068-2-32 with rubber boot; Withstands 600 hits from 0.5 m / 1.6 ft per IEC 60068-2-32 without rubber boot

Sealing: IP65

Chemical Resistance: Chemical cleanser and industrial oil resistant

Healthcare Cleanable: Isopropyl Alcohol, Hydrogen Peroxide, Clorox® Bleach; applicable for both the device and docks

Temperature: Operating: -20 to 50 °C / -4 to 122 °F

Storage/Transport: -30 to 70 °C / -22 to 158 °F

INTERFACES & SENSORS

Interfaces: USB-C; High Speed USB 2.0 Host and Client

Vibration: Software programmable for duration and intensity

Magnetometer: Senses orientation (eCompass)

Gyroscope: Senses angular velocity (Wi-Fi/Cellular model only)

Ambient Light: Auto adjusts display backlight

Proximity: Auto deactivates display when close to face

PHYSICAL CHARACTERISTICS

Dimensions: 15.5 x 7.8 x 1.87 cm / 6.1 x 3.07 x 0.73 in

Display: 5 inch IPS HD resolution 720 x 1280; LED backlight; Touch Screen: 5 points multi-touch capacitive panel with Dragontrail hardened glass

Keys: Physical Keys: 2 side scan keys; Power On/Off; Volume Up/ Down; 3 user programmable Android™ keys

Weight: With Battery: 285.0 g / 10.0 oz

READING PERFORMANCE

Camera: Resolution: 13 megapixel; **Illumination:** User controllable LED flash; **Lens:** Auto focus

Scan Engine: 2D Ultra slim area imager (supports 1D / 2D codes); Datalogic's 'Green Spot' for good-read feedback; Halogen™ DE2102-HP; Depth of Field: 4 to 90 cm / 1.6 to 35 in, depending on bar code density and type; Resolution: Megapixel (1280 x 800 pixels); Illumination: White and Red LEDs (for Digimarc); Aiming: 650nm VLD; Field of View: 42°H x 26°V

Print Contrast: Minimum: 25%

Element Width: Minimum: Halogen™ DE2102-HP: 1D Linear: 0.0635 mm / 2.5 mils; PDF: 0.0762 mm / 3 mils; Data Matrix: 0.152 mm / 6 mils

SYSTEM

Expansion Slots: Micro-SD card slot; Compatible with Micro SD-HC cards; Data transfer up to 48 Mbps; User-accessible

SIM Slot: MicroSIM Standard size

Memory: System RAM: 4 GB; eMMC Flash: 32 GB

Operating System: Android v13 with GMS / AER (Upgradeable to Android 15)

Microprocessor: 2 GHz Octa-core

Real-Time Clock: Time and date stamping under software control

THE BOWE IQ SOFTWARE EFFECT

While BOWE IQ's mobile computers are available as a standalone product, they really come into their own when embedded into an intelligent BOWE IQ Cloud software ecosystem with all the necessary functions for asset tracking, inventory management, work-in-process, and/or workflow design. Its versatility also means that customers can start with a basic installation and easily scale upwards as needs evolve.



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