

# SPECIFICATIONS

## MC9400/MC9450 MOBILE COMPUTERS

**MC9400: WI-FI ONLY**

**MC9450: WI-FI + CELLULAR**

**STANDARD, FREEZER, AND \*NON-INCENDIVE MODELS AVAILABLE**



### PHYSICAL CHARACTERISTICS

#### Dimensions:

9.4 in. (L) x 3.5 in. (W) x 7.4 in. (H)  
240 mm (L) x 88 mm (W) x 189 mm (H)

**Weight:** 26.2 oz./743 g with battery

**Display:** 4.3 in. WVGA (800 x 480), colour display, 600 NITS (typical)

**Imager Window:** Corning™ Gorilla™ Glass

**Touch Panel:** Dual mode capacitive touch with finger, gloved finger or stylus input (conductive stylus sold separately); screen protector (sold separately); Corning Gorilla Glass with air gap (standard model) or optically bonded (freezer model)

#### Power:

Rechargeable Li-Ion: 3.6V, 7000mAh (25.20 Wh); Optional BLE Battery Li-Ion 3.6V, 7000mAh (25.20 Wh); Optional Freezer Capacity Battery – 5000mAh (18.80 Wh); Optional 7000mAh (25.20 Wh) Non-Incendive battery; Hot swap battery backup with temporary session persistence

**Expansion Slot:** MicroSD supports up to 2 TB

**SIM:** MC9450 only: 1 nano SIM; 1 eSIM

**Network Connections:** MC9400/MC9450: WLAN, WPAN (Bluetooth), USB 2.0, High Speed (host and client); MC9450 only: WWAN 5G; data only

**Notifications:** Audible tone; multi-colour LED; haptic feedback

**Keypad:** Backlit, field replaceable keypads; 58 Key AlphaNumeric, 53 Key AlphaNumeric STD, 53 Key Terminal Emulation (5250 and VT), 43 Key/34 Key Numeric/Function, 29 Key Numeric/Calculation

#### Voice and Audio:

Speaker, microphone, PTT voice (internal speaker and Bluetooth wireless headset support)

**Buttons:** Trigger scan button; keypad scan button

#### Interface ports:

USB 2.0 (bottom pogo connector) – high speed (host and client)

### PERFORMANCE CHARACTERISTICS

**CPU:** Qualcomm 4490 octa-core; 2.4 GHz

**Operating System:** Android

**Memory:** 6 GB RAM/128 GB Flash

**Security:** FIPS 140-2 Validated; supports Secure Boot and Verified Boot

### INTERACTIVE SENSOR TECHNOLOGY (IST)

**Light Sensor:** Automatically adjusts display backlight brightness

#### Magnetometer:

eCompass automatically detects direction and orientation

**Motion Sensor:** 3-axis accelerometer with MEMS gyroscope

### USER ENVIRONMENT

#### Operating Temperature:

**Standard:** -4°F to 122°F/-20°C to 50°C

**Freezer:** -22°F to 122°F/-30°C to +50°C

**Storage Temperature:** -40°F to 158°F/-40°C to 70°C

#### Humidity:

**Standard:** 5%-95% non-condensing;

**Freezer:** 5%-95% condensing (condensation resistant model with heaters for scanner exit window and touch panel glass)

#### Drop Specification:

**Exceeds per MIL-STD-810H:** 12 ft./3.65 m to concrete; Enterprise drop standard 8 ft. (2.4 m) to concrete across temperature (-20°C to 50°C) exceeding MIL-STD-810H

**Freezer version:** 7 ft. (2.1 m) to concrete (-30°C to 50°C) exceeding MIL-STD-810H

#### Tumble Specification:

6,000 3.3 ft. (1m) tumbles; meets or exceeds IEC tumble specification

#### Sealing:

IP65 and IP68 with battery per applicable IEC sealing specifications

#### Vibration:

4 g's PK Sine (5 Hz to 2 kHz); 0.04 g 2/Hz Random (20 Hz to 2 kHz); 60 minute duration per axis, 3 axis

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#### Electrostatic Discharge:

+/- 15 kV air discharge; +/- 8 kV direct discharge; +/- 8 kV indirect discharge

### DATA CAPTURE

#### Scanning:

SE58 1D/2D Extended Range Scan Engine with IntelliFocus™ technology with green laser aimer SE4770 1D/2D Scan Engine with red laser aimer

#### Camera:

Front: 8 MP; Rear: 16 MP autofocus; flash LED generates balanced white light; supports Torch mode + HDR (standard)

**NFC:** ISO 14443 Type A and B; FeliCa and ISO 15693 cards

#### \*Non-Incendive (NI); optional on select configurations:

Class I, II, III Div 2; Gases: Class I, Groups A/B/C/D; Dusts: Class II, Groups F/G; Fibers/ Flying: Class III; -20° C ≤ Ta ≤ 50° C T6

## 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.



### CONTACT US TO DISCUSS:

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