

ANDROID

# H-29

## Android Mobile Computer



### Highlights

- Rugged mobile computer with a fully integrated, high speed 2D imager barcode scanner
- Physical alphanumeric keypad allows direct data entry with no interruption on the display, special anti-abrasion coating on key tops
- Android 6.01 for familiar and convenient navigation
- Qualcomm SD 617 A53 Octa-core platform: 1.5 GHz Quad-core and 1.2 GHz Quad-core
- 4.3" brilliant color touchscreen display with Gorilla® Glass, anti-reflective coating and signature capture
- Communications: Bluetooth 4.1 LE, WLAN, Wi-Fi, (802.11 a/b/g/n/ac/r), NFC, USB
- Rear facing 8 MP auto-focus digital camera, LED flash, low light mode
- Ergonomic design for single-handed operation with three scan triggers
- 25° downward scan angle makes frequent barcode scanning as comfortable as possible
- IP65 rating against dust and moisture, survives multiple five foot drops to concrete, MIL-STD 810G
- Memory: 16GB EMMC, 2GB LPDDR3 RAM and MicroSD
- Compact form factor: 2.83" x 6.89" x 0.77" (w x h x d) and 10 ounces
- User/field-replaceable battery packs (no special tool needed), supports hot-swap mode, standard and extended battery packs available
- Supports Qualcomm Quick-Charge feature, which can charge the standard battery pack from 0 to ~75% within 45 minutes
- Two year warranty

 **OPTICON**

# H-29

## Product Specifications

### OPERATION

**CPU:** Qualcomm Snapdragon 617 A53 Octa-core  
**OS:** Android 6.0.1

### MEMORY

**EMMC:** 16GB  
**RAM:** LPDDR3 2GB  
**EXPANSION:** MicroSD, Simcard

### DISPLAY

**TYPE:** TFT LCD WVGA, capacitive touch panel, color screen, Gorilla Glass.  
**SIZE:** 4.3"

### OPERATING INDICATORS

**VISUAL:** 2 LEDs (red/green), 1 LED (red/green/yellow)  
**AUDIBLE:** Vibrate, buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 1 power key, 2 volume keys, 1 scan keys, 16 numeric keys, 4 navigation keys.

### COMMUNICATION

**BLUETOOTH:** 4.1 LE  
**WLAN:** Wi-Fi, IEEE, 802.11 a/b/g/n/ac/r  
**NFC:** ISO14443-4 (type A & B), ISO15693, Mifare, Felica (ISO/IEC18092)

### SENSORS

Accelerometer, Light sensor, gyroscope, E-compass, Proximity

### POWER

**MAIN BATTERY:** Lithium-Ion 3.7V 2300mAh (standard), Lithium-Ion 3.7V 3450mAh (optional)  
**BACKUP BATTERY:** Rechargeable RTC battery, battery swap  
**CHARGING TECHNOLOGY:** Qualcomm Quickcharge 2.0(USB only)

### CAMERA

**REAR FACING CAMERA:** 8 MP, auto-focus, LED flash, low light mode

### 2D IMAGER OPTICS

**LIGHT SOURCE:** Aiming green LED, warm white illumination LED  
**SCAN METHOD:** CMOS area sensor, 640 x 480 pixels, black and white  
**SCAN RATE:** Up to 100 fps  
**READING PITCH ANGLE:** -65° to +65°  
**READING SKEW ANGLE:** -65° to +65°  
**READING TILT ANGLE:** 360°  
**CURVATURE:** R>15 mm (EAN8), R>20 mm (EAN13)  
**MIN. RESOLUTION AT PCS 0.9:** 0.1 mm / 4 mil  
**MIN. PCS VALUE:** 0.9  
**FIELD OF VIEW:** Horizontal 38°, Vertical 28.9°  
**DEPTH OF FIELD AT CODE 39:**  
5 mil (0.127 mm) 2.05 - 4.96 in (52 - 126 mm)  
10 mil (0.254 mm) 1.81 - 9.68 in (46 - 246 mm)  
20 mil (0.508 mm) 2.36 - 18.35 in (60 - 466 mm)  
**DEPTH OF FIELD AT QR CODE:**  
6.7 mil (0.169mm) 2.52 - 4.17 in (64 - 106 mm)  
15 mil (0.381mm) 1.18 - 9.21 in (30 - 234 mm)

### SUPPORTED SYMBOLOGIES

**BARCODE (1D):** JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 Databar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey  
**BARCODE (2D):** Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Composite codes, Data matrix (ECC200), Passport MRZ (OCR-B), maxi Code (mode 2-5), MicroPDF417, MicroQR Code, PDF417, QR Code  
**BARCODE (POSTAL CODES):** Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET

### DURABILITY

**TEMPERATURE:**  
Operation: -4 to 140 °F (-20 to 60 °C)  
Storage: -22 to 158 °F (-30 to 70 °C) (without battery)  
**HUMIDITY:**  
Operation: 10% to 90% (non-condensing)  
Storage: 10% to 90% (non-condensing)  
Drop test: 5 ft (1.5m) onto concrete surface, MIL-STD 810G  
**PROTECTION RATE:** IP65

### PHYSICAL

**DIMENSIONS (WXHxD):** 2.83 x 6.89 x 0.77 in (71.8 x 175 x 19.5 mm)  
**WEIGHT BODY:** Ca. 10 oz (297 g)  
**COLOR:** Black

### REGULATORY AND SAFETY

**PRODUCT COMPLIANCE:** CE, NCC, BSMI, VCCI, TELEC, IEC62133, UN38.3, RoHS, BQB, Wi-Fi logo compliance

### ITEMS

**ENCLOSED:** Standard battery, USB adapter (QC2.0), hand strap, USB cable  
**SOLD SEPARATELY:** Extended battery, extended battery cover, stylus  
**CRADLE (CHARGING AND COMMUNICATION):** USB or ethernet single charge cradle with power adapter

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