

H-28

Android Mobile Computer



Highlights

- Rugged mobile computer with a fully integrated, high speed 2D imager barcode scanner
- 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
- 5" 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 16 MP auto-focus digital camera, LED flash, front facing 5 MP
- IP67 rating against dust and moisture, survives multiple six foot drops to concrete, MIL-STD 810G
- Memory: 16GB EMMC, 2GB LPDDR3 RAM and MicroSD
- Compact form factor: 3.03" x 6.22" x 0.77" (w x h x d) and 10.4 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



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Product Specifications

OPERATION

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

MEMORY

EMMC: 16GB
RAM: LPDDR3 2GB
EXPANSION: MicroSD, Simcard(optional)

DISPLAY

TYPE: FHD, capacitive touch panel, color screen, Gorilla Glass.
SIZE: 5"

OPERATING INDICATORS

VISUAL: 3 LEDs
AUDIBLE: Vibrate, buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 power key, 2 volume keys, 2 (programmable) scan keys, 2 function keys, 3 OS 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 2960mAh (Standard), Lithium-Ion 3.7v 5920mAh (optional)
BACKUP BATTERY: Rechargeable RTC battery, battery swap
OPERATING TIME (WWAN ON, LCD ON): Ca. 9 hours (standard), Ca. 18 hours (extended)
CHARGING TECHNOLOGY: Qualcomm Quickcharge 2.0(USB only)

CAMERA

REAR FACING CAMERA: 16 MP, auto-focus, LED flash
FRONT FACING CAMERA: 5 MP

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 0°, 0 to +65°
READING SKEW ANGLE: -65 to 0°, 0 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 122 °F (-20 to 50 °C)
Storage: -22 to 140 °F (-30 to 60 °C) (without battery)
HUMIDITY:
Operation: 10% to 90% (non-condensing)
Storage: 10% to 90% (non-condensing)
DROP TEST:
5 ft (1.5 m) onto concrete surface, MIL-STD 810G.
6 ft (1.8 m) onto concrete surface, MIL-STD 810G with protective bumper
PROTECTION RATE: IP 67

PHYSICAL

DIMENSIONS (WXHxD): 3.03 x 6.22 x 0.67 in (77 x 158 x 16.9 mm)
WEIGHT BODY: Ca. 308 g / 10.4 oz (inc. battery)
COLOR: Black

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, CB, FCC, NCC, BSMI(TBD), IEC62133, UN38.3, UI2054, RoHS, WEEE, REACH

ITEMS

ENCLOSED: Standard battery, USB adapter (QC2.0), hand strap, USB cable
SOLD SEPARATELY: Extended battery, extended battery cover, single charge cradle, cradle power adapter, ethernet single cradle, protection bumper, stylus

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