H-35
2D CMOS Imager

The H-35 Android mobile computer equips today's mobile workforce with top of the line tools to enhance productivity and deliver exceptional performance in a variety of applications. Designed with a capacitive Gorilla® Glass 3 touch screen and an IP65 rating against dust and water, the H-35 is built to withstand years of the most demanding conditions.

Highlights

- Rugged mobile computer with a fully integrated, Opticon high speed 2D imager barcode scanner

- Android 11 for familiar and convenient navigation

- Qualcomm 2.0 GHz Octa-core

- 5.5" brilliant color touchscreen display with Gorilla® Glass 3

- Communications: Bluetooth 5.1, 4G WLAN, Wi-Fi, NFC, USB, GPS

- Rear facing 13 MP auto-focus digital camera, LED flash with torch

- Memory: 64GB EMMC, 4GB LPDDR4X RAM and MicroSD

- IP65 rating against dust and moisture, survives multiple 2.4 m drops to concrete, with rugged rubber boot

- Compact form factor: 76 x 160 x 15.5 mm (W x H x D) and 287 grams

- User/field-replaceable battery packs, 4,420mAh, no special tool needed,

- Various accessories available

- Supports Quick-Charge 3.0

- Two year warranty

H-35

Product Specifications

Operation
CPU: Qualcomm 2.0 GHz Octa-core
O/S: Android 11 GMS certified

Memory
EMMC: 64GB
RAM: LPDDR4X 4GB
Expansion: MicroSD 128 GB

Display
Type: FHD, capacitive multi touch panel (18:9), color screen, IPS LTPS 1440x720, Gorilla Glass 3
Size: 5.5"
Brightness: 450 cd/m2 (nits) typical

Operating indicators
Visual: 3 LEDs
Non-visual: Vibrate, speaker
Audio: 2 Microphones (1 noise reduction)

Operating keys
Entry options: 1 power key, 2 volume keys, 2 (programmable) scan keys, 1 function key

Communication
Bluetooth: 5.1
W-LAN: Wi-Fi, IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dual-band
WAN: Europe/Asia version:
WCDMA: 850/900/1900/2100MHz
TD-SCDMA: A/F(B34/B39)
4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41
NFC: ISO14443 (type A, B, Mifare, Felica), ISO15693
GPS: GPS, GLONASS, Beidou, Galileo, internal antenna

Sensors
Gravity sensor, accelerometer, Light sensor, Proximity, vibration motor

Power
Main battery: Lithium-Ion 3.8V 4,420mAh
Backup battery: Rechargeable RTC battery, battery swap
Charging technology: Qualcomm Quickcharge 3.0

Camera
Rear facing camera: 13 MP, auto-focus, LED flash with torch

2D Imager optics
Light source: Red cross aiming laser and warm white illumination LED
Scan method: CMOS area sensor, 1280 x 800 pixels, black and white
Scan rate: Up to 120 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>20 mm (UPC)
Min. resolution at pcs 0.9: 0.1 mm/4 mil
Min. pcs value: 0.9
Field of view: Horizontal 50°, Vertical 32°, Diagonal 58°
Depth of field at code 39:
51 - 224mm (0.127mm)/ 2.0 - 8.8in (5mil)
40 - 453mm (0.254mm)/ 1.6 - 17.8in (10mil)
56 - 896mm (0.508mm)/ 2.2 - 35.3in (20mil)
Depth of field at PDF417:
40 - 210mm (0.169mm)/ 1.6 - 8.3in (6.7mil)
37 - 319mm (0.254mm)/ 1.5 - 12.6in (10mil)
Depth of field at QR code:
58 - 162mm (0.169mm)/ 2.3 - 6.4in (6.7mil)
31 - 353mm (0.381mm)/ 1.2 - 13.9in (15mil)

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 **Postal code:** Chinese Post, Intelligent Mail Barcode, POSTNET, Korean Postal Authority code **2D code:** Aztec Code, Aztec Runes, Codablock F, Chinese Sensible code, Composite codes, Data matrix (ECC200), MicroPDF417, PDF417, MicroQR Code, Passport MRZ (OCR-B), maxi Code (mode 2-5), QR code

Durability
Temperature in operation: -20 to 50 °C / -4 to 122 °F
Temperature in storage: -40 to 70 °C / -40 to 158 °F (without battery)
Humidity in operation: 30% to 80% (non-condensing)

Humidity in storage: 5% to 95% (non-condensing)
Drop test: 2.4m / 7.87 ft drop onto concrete surface, with protective rugged rubber boot. 1.8m / 5.9 ft drop onto concrete surface without rugged rubber boot
Protection rate: IP65

Physical
Dimensions (WxHxD): 76 x 160 x 15.5 mm / 2.99 x 6.3 x 0.61 in
Weight body: Ca. 287 g / 10.1 oz (inc. battery)
Color: Black

Regulatory & Safety
Product compliance: CE, UKCA, CB, FCC, RoHS, WEEE, REACH

Items
Enclosed: Standard battery 4,420mAh, USB-C cable, wrist band

Optional (conditions may apply): H-35 TOF, pistol grip, pistol grip UHF, pistol grip UHF BT, CRD-35 single charging cradle, CRD-35 ethernet, CRD-35 MC-4, CRD-35 MC-3 + 1x4bat, CRD-35 MC-2 + 1x4bat-1x2 PGbat, CRD-35 MC-4 Ethernet, CRD-35 MC Power supply, CRD-35 1x4 Battery, CRD-35 1x2 Battery PG, CRD-35 Vehicle, Boot cradle fit, Boot, Holster, Handstrap, Bumper

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