

H-28

2D CMOS Imager

The H-28 is a perfect balance of a smartphone and a terminal. This mobile computer is designed for complex tasks.



A product designed for the most complex tasks

The H-28 comes in two versions: a Wi-Fi/Bluetooth version and a 4G Europe cellular version. Both come with fast and accurate performance when scanning. This is due to the powerful processor that is hidden under the high-tech 5" display. Even the most complex tasks are an easy job for this mobile computer.

Highlights

- Android 6.0.1
- 5" FHD touch screen
- Bluetooth 4.1 LE & NFC
- 4G LTE EU
- 16MP CMOS camera with autofocus
- Wi-Fi 802.11 r, fast roaming
- IP 67



H-28

Product Specifications

Operation

CPU: Qualcomm Snapdragon 617 A53
Octa-core
O/S: 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
Non-visual: 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
W-LAN: Wi-Fi, IEEE, 802.11 a/b/g/n/ac/r
Telecom: WCDMA, GSM, TDD LTE, FDD
TLE
NFC: ISO14443-4 (type A & B),
ISO15693, Mifare, Felica (ISO/
IEC18092)
GPS: GPS/GLONASS

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: : 52 - 126
mm / 2.05 - 4.96 in (0.127 mm / 5
mil), 46 - 246 mm / 1.81 - 9.68 in
(0.254 mm / 10 mil), 60 - 466 mm /
2.36 - 18.35 in (0.508 mm / 20 mil)
Depth of field at QR code: 64 - 106
mm / 2.52 - 4.17
in (0.169mm / 6.7 mil), 30 - 234 mm /
1.18 - 9.21 in (0.381mm / 15 mil)

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-IS-
MN, Matrix 2of5, MSI/
Plessey, S-Code, Telepen, Tri-Optic,
UK/Plessey
Postal code: Chinese Post, Intelligent
Mail Barcode, Korean Postal Authority
code, POSTNET
2D code: 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

Durability

Temperature in operation: -20 to 50
°C / -4 to 122 °F
Temperature in storage: -30 to 60 °C /
-22 to 140 °F (without battery)
Humidity in operation: 10% to 90%
(non-condensing)
Humidity in storage: 10% to 90% (non-
condensing)
Drop test: 1.5m / 5 ft drop onto
concrete surface, MIL-STD 810G. 1.8m
/ 6 ft drop onto concrete surface, MIL-
STD 810G with protective bumper
Protection rate: IP 67

Physical

Dimensions (WxHxD): 77 x 158 x 16.9
mm / 3.03 x 6.22 x 0.67 in
Weight body: Ca. 308 g / 10.4 oz (inc.
battery)
Color: Black

Regulatory & 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

Authorized Australian Distributor: Goodson Imports Pty Ltd, Representation in all main States and New Zealand,
Head Office: 9 Liberty Road, Huntingwood NSW 2148, Sydney Australia
Ph: 02-8875 4544 Fax 02-8875 4588, www.goodson.com.au