C4050-Q4

Enterprise Mobile Handheld Computer

Android	LTE	WIFI	Bluetooth	Barcode 1D/2D	NFC	Camera	GPS	PSAM	INFRARED	RFID

C4050-Q4 is an Android-based rugged mobile computer. With its fast 4G connectivity and powerful Qualcomm processor as well as the comprehensive data capture options, including LF/HF RFID and NFC reading, high-performance 1D/2D, infra-red and sensitive fingerprint scanning, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly configurability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset tracking, fleet management, healthcare and etc.

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C4050-Q4 Specifications

Physical Characteristics

Dimensions	176*75*29mm
Weight	292gr
Display	4'' WVGA 480*800 16,7M Colors
Touch Panel	Rugged Dual touch Capacitive Tough panel
Power	Main battery: Li-ion, rechargeable, 3200mAh Pistol Battery: Li-ion rechargeable 5200mAh (optiona)
Expansion Slot	1 slot for SIM card, 1 slot for PSAM cards, 1 slot MicroSD(TF card)
Interfaces	USB2.0 Type-B, OTG
Audio	Speaker, microphone
Keypad	2Side Keys Configurable, Numeric or QWERTY Keyboard
Sensors	Light Sensor, Proximity Sensor

Performance

CPU	Qualcomm 1.3Ghz Quad Core
RAM+ROM	2GB+16GB
Expansion	Supports up to 32 GB Micro SD card

Developing Environment

Operating System	Android 5.1
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-10˚C to 50˚C
Storage Temp.	-40˚C to 70˚C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1,2m drops to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP64 per IEC sealing specifications
ESD	±8KV air discharge, ±4KV conductive discharge

Biometric (Optional)

Functions	Enrollment, compare, deletion etc.
Sensor	TCS2SS
Sensor Type	Capacitive Sensor
Resolution	508DPI
Memory	1.000 PCS Fingerprints

Other Modules (Optional)

Rear Camera	5MP autofocus camera with flash
PSAM	ISO7816 Protocol, 2 PSAM slot

Infrared (Optional)

Wavelength	940nm
Frequency	38KHz
Range	> 4m

Communication

WLAN	IEEE802.11 b/g/n
WWAN(Europe)	GPRS Quad Band (850/900/1800/1900MHz) 3 WCDMA (850/1900/2100MHz) CDMA 2000 EVDO:800MHz
Bluetooth	Bluetooth 4.0
GNSS	GPS/AGPS,

RFID (Optional)

LF with internal Antenna

Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5, ISO18000-2P2
Chip	R/O ID card, eg EM4100/4200 TK4100 R/W ID card, eg EM4305/HITAG S Animal tags
Range	3-8cm

LF With External Antenna

Frequency	134kHz (FDX-B+HDX)
Protocol	ISO11784/5
Chip	Animal tags
Range	3-12cm 3-20cm with a 75cm Extension Antenna

HF

Frequency	13.56MHz
Protocol	ISO14443A/B,ISO1569
Chip	M1 card (S50/S70), M0 (Ultralight) M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card ICODE II,TI2048,LRI64K
Range	3-8cm

NFC

Frequency	3.56MHz
Protocol	ISO/IEC 18092 (ECMA 340) ISO/IEC 21481 /ECMA 352)
Range	2-4cm

Barcode Scanning (Optional)

1D Scan Engine	Zebra SE965
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Scan Engine	Symbol SE4500
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc.

Finger Print   Snap-On   Charging Cradle   Pistol Grip   Numeric Keyboard Layout   Carrying Bag

CHAINWAY®

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld RFID reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.