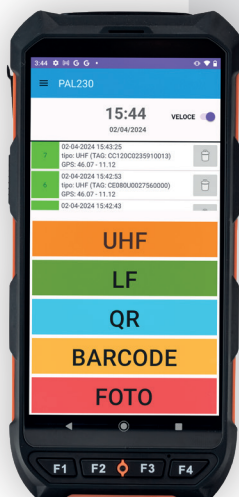


PALM230 | Portable Handheld

TECHNICAL DOCUMENTATION



for off-site
employees



durable



GPS Module



light and
manageable

HARDWARE

DIMENSIONS	170,8 mm(A)x81 mm(L)x28,6 mm(P)±2 mm
NET WEIGHT	400 g (battery and wrist strap included)
DISPLAY	EPSON RTC 8564 with automatic daylight saving time management
BACKLIGHTING	LED backlight
EXPANSIONS	2 PSAM, 2 SIM, 1 TF
BATTERY	Rechargeable lithium-ion polymer, 3,8 V, 5200 mAh

PERFORMANCE FEATURES

CPU	Cortex A73 octa-core da 2,0 GHz
OPERATING SYSTEM	Android 10.0
MEMORY	3GB RAM/32GB ROM o 4GB RAM/64GB ROM, MicroSD (maximum expansion 256GB)

USER ENVIRONMENT

OPERATING TEMPERATURE	da -20 °C a 50 °C
STORAGE TEMPERATURE	da -20 °C a 70 °C
HUMIDITY	Da 5% RH a 95% RH (non-condensing)
DROP SPECIFICATIONS	1.5 m / 5 ft drop to concrete within the operating temperature range
WATERPROOFING	IP65, IEC compliance
ESD	Air discharge ±15kv, direct discharge ±8kv

DEVELOPMENT ENVIRONMENT

SDK	Portable wireless software development kit
PROGRAMMING LANGUAGE	Java
DEVELOPMENT ENVIRONMENT	Android Studio or Eclipse

DATA COMMUNICATION

WWAN	Banda TDD-LTE 38, 39, 40, 41; FDD-LTE Banda 1, 2, 3, 4, 7, 17, 20; WCDMA(850/1900/2100 MHz); GSM/GPRS/Edge (850/900/1800/1900MHz);
WLAN	Dual-frequency 2,4 GHz/5,0 GHz, IEEE 802.11 a/b/g/n/ac
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.2
GPS	GPS (A-GPS embedded), accuracy of 5 m

BARCODE READER (OPTIONAL)

1D BARCODE	Motore laser 1D	Honeywell N431
	Symbologies	All major 1D barcodes
2D BARCODE	2D CMOS Imager	Honeywell N6703 2D scan engine
	Symbologies	PDF417, MicroPDF417, Composito, 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. etc.

RFID READER (OPTIONAL)

LOW-FREQUENCY RFID	Frequency	125KHz/134,2KHz(FDX-B/HDX)
	Protocol	ISO 11784 e 11785
	R/W range	From 2 cm to 10 cm
RFID HIGH FREQUENCY/NFC	Frequency	13.56MHz
	Protocol	ISO 14443A e 15693, NFC-IP1, NFC-IP2
	R/W range	From 2 cm to 5 cm
RFID UHF	Frequency	865~868MHz o 920~925MHz
	Protocol	EPC C1 GEN2/ISO 18000-6C
	Antenna gain	Circular Antenna (2dBi)
	R/W range	2 m (dependent on tags and environment)

COLOR CAMERA

RESOLUTION	Rear 13 megapixel, front 5.0 megapixel
LENS	Autofocus with LED flash

PSAM SECURITY (OPTIONAL)

PROTOCOL	ISO 7816
BAUDRATE	9600, 19200, 38400,43000, 56000, 57600, 115200
SLOT	2 slots (maximum)

ACCESSORIES

STANDARD	1 power adapter; 1 lithium-ion polymer battery; 1 Type-C cable
OPTIONAL	support