



CELVAVA
mobilitysolutions

CELVAA's rugged tablets with IP6X seals. With its flexible processor options and superior network connectivity. As well as the comprehensive data capture options, can be widely used in industrial control, Police & Military, public safety, intelligent transportation, smart home, smart grid, smart city, automated information manufacturing, infrastructure construction, municipal construction, vehicle, vehicle networking, transportation logistics, Medical and health, agriculture and animal husbandry, outdoor tourism, security, environmental protection, property management, hotels, supermarkets, retail, data collection, warehouse management, finance, energy and other industries.



Extensive Data Capture Functions

This device can be integrated with best-in-class 2D image scanner, high-resolution camera, and NFC module. It offers higher accuracy in identity authentication with reliable iris recognition.

Superior NFC Capability

This device provides new levels of NFC/RFID reading/writing performance. It's NXP 13.56MHZ RFID.

Large Screen & Powerful Battery

Adopts 10.1 inch high-resolution IPS screen. Its capacitive touch panel supports operation with wet hands or gloves. The battery (no less than 5000mAh) allows a full working day's non-stop operation.

Finger Printer

TCS1/TCS2 Capacitive; Optical Morpho CBME3, Sensing Area (mm): 12.8×18; 10.4×14.4; 14×22, Resolution (dpi): 508 dpi, 8-bit greylevel; 500 dpi, 256 greylevel.



RT1900X	
OS	Windows 10 Home/Pro
SDK	Free C# Software Development SDK, free technical support
CPU-Memory	MTK 8735A Quad-Core Memory: 2GB DDR3L ,32GB ROM (4G+64G/ 128G optional)
Display	10.1" 10 points touchscreen (10:16 800X1280 IPS)
Communications	
WiFi/Bluetooth	WiFi 802.11(a/b/g/n) frequency 2.4G+5.8G dual band WiFi; BT4.2 (BLE) class1 distance : 10m
Network	GSM Quad Band+WCDMA Quad Band+TD-SCDMA(B34,B39)+LTE TDD(B38,B39,B40,B41)/FDD(B1,B2,B3,B4,B5,B7,B8,B17,B20)
GPS	GLONASS, QZSS, GPS
Physical Characteristics	
Dimensions	280*187*22mm Weight: 1014g
Expansion Slots	1 slot for SIM card, 1 for TF card, 3.5mm standard headphone port, Mini HDMI, Standard cUSB 2.0*1 Micro USB*1 RJ45*1
Speaker	Build in 8Ω/0.8W Waterproof speaker x 1
Battery	Main battery: Li-ion, 3.7V 10000mAh
Camera	Front 2.0MP, Rear 13.0MP
Interfaces/Sensor	G-Sensor
User Environment IP65 Sealing	
Operating Temp	-20 to 50°C; Humidity: 10%RH - 90%RH (Non-condensing)
Storage Temp	-20°C to 70°C; Humidity: 10%RH - 90%RH (Non-condensing)
Protection Class	IP65 ; Multiple 1.2m/3.94ft drops to concrete across the operating temperature range 1000 x 0.5m/1.64ft falls at room temperature
Optional Function Module	
1D Linear Scanner	1D Linear Scanner; MOTO SE655E100R ;UPC/EAN, Code128, Code39, Code93, Code11 1D Symbolologies; Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Scanner	Barcode engine: Honeywell N3680 PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec 2D Symbolologies; MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc
Finger Print	Barcode engine: Honeywell N3680 PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec 2D Symbolologies; MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc

RT1800X	
OS	Windows 10 Home/Pro
SDK	Free C# Software Development SDK, free technical support
CPU-Memory	Intel Cherrytrail Z8350 1.44Ghz-1.92GHz Memory: 4GB DDR3 RAM + 64GB Frash ROM Storage ;(2G+32G and 4G+128GB optional)
Display	8.0-inch IPS Screen 800*1280 IPS LCD,320Nit, Multi-point touch capacitive support handwriting,16:10
Communications	
WiFi/Bluetooth	WIFI 802.11(a/b/g/n) frequency 2.4G+5.8G dual band WIFI; BT4.2 (BLE) class1 distance : 10m
Network	GSM band 850/900/1800/1900MHz, Class 12; 3G WCDMA; 4G LTE FDD TDD(LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28
GPS	LTE TDD: B40) U-blox NEO-7, support : GLONASS, QZSS, GPS; Capture sensitivity: -160 dBm
Physical Characteristics	
Dimensions	228*145*16.5mm Weight: 750g
Expansion Slots	Max 128G TF Slot
Speaker	Build in 8Ω/0.8W Waterproof speaker x 1
Battery	Rechargeable Li-ion battery 3.7V/7800mAh
Camera	Front 2MP with indicator light, Rear 5MP Camera
Interfaces/Sensor	USB 3.0(host)*1, 3.5mm standard earphone jack x1, DC 5V 3A 3.5mm Power connector x1, HDMI 1.4a Type C x1, 12pin Pogo Pin x1
User Environment IP65 Sealing	
Operating Temp	Operating Temp : -20 to 50 ; -30°C to 70°C; Humidity: 10%RH - 90%RH (Non-condensing)
Storage Temp	-30°C to 70°C; Humidity: 10%RH - 90%RH (Non-condensing)
Protection Class	Protection class: IP67; Drop resistance level: 1.5M
Optional Function Module	
1D Linear Scanner	MOTO SE655E100R or 2707 Scan engine, optical resolution: 5mil SCAN Speed: 50 times/s support code system :UPC/ EAN, Bookland EAN ,UCC Coupon Code, ISSN EAN, Code 128, GS1-128, ISBT 128, Code 39, Trioptic Code 39 ,Code 32, Code 93 ,Code 11
2D Scanner	MOTO SE4710 hardware decoding engine, optical resolution: 5mil, scan speed: 50 times/s, support code system: PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code, MicroQR, QR Inverse, Aztec, Aztec Inverses, Han Xin, Han Xin Inverse



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