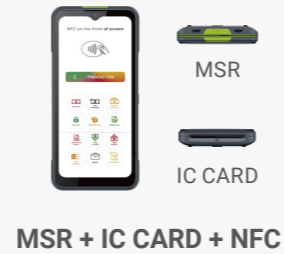
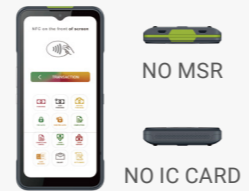


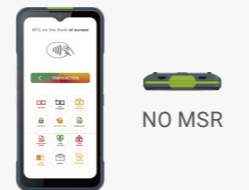
F310 Payment Android POS



MSR + IC CARD + NFC



NFC



IC CARD + NFC

SPECIFICATIONS

Operating System	Android 13
Processor	Quad-Core 4*A53@2.0GHz
Memory	RAM: 2GB + ROM: 16GB
Communications	4G (LTE-FDD/LTE-TDD) + 3G (WCDMA) + 2G (GSM), Wi-Fi 5: 2.4&5GHz, Bluetooth 5.0/BLE
Location	GPS, BeiDou, Galileo, GLONASS, QZSS, SBAS
Display	6.5 inch, HD IPS LCD, 1600*720Pixel, Multi-touch
Cameras	Rear: 8MP AF with Flash LED, Support Scanner 1D&2D code Front: 2MP FF, Support Scanner 1D&2D code
Battery	3.8V/3000mAh
Magnetic Card Reader	ISO/IEC 7811, ISO/IEC 7813, Track 1/2/3, Bi-directional swiping
IC Card Reader	ISO/IEC 7816, Conform to EMV L1/L2
NFC	13.56MHz, ISO/IEC 14443, ISO18092, Type A&B, Felica, Mifare card
Keys / Buttons	Power Key, Function Key, Volume+/- Key
Sensor	Proximity Sensor(P-Sensor), Light Sensor(L-Sensor)
Audio	1W
Card Slot	SIM*1 + PSAM*2 or SIM*2 + PSAM*1, TF card*1(up to 1TB)
Peripheral Ports	Type C*1 (USB2.0, OTG), Pogopin(6PIN)*1, Pogopin(8PIN)*1
Adapter	Input: 100-240V AC, 50/60Hz 0.35A Output: 5V DC/2.0A
Physical/Weight	173mm (L)*82.5mm (W)*17.2mm (H)/278g
Environment	Operating Temperature: -10°C ~ 50°C (14°F~122°F) Storage Temperature: -20°C ~ 70°C (-4°F~158°F) Relative Humidity: 5%-96% (Non-Condensing)
Accessories	Adapter*1, USB Cable(only charging)*1, Manual*1
Certifications	PCI, EMV L1/L2, EMV Contactless L1, Amex, PayWave, Paypass, Discover, Pure, MIR, TQM, qUICS, CE, FCC, RoHS, GSMA, WEEE, NTRA-VOC, DGM, UN38.3, MSDS



F310-1 Printer Module

Printing Method	Thermal dot printing
Number of Dots	384 dots/line
Resolution	8 dots/mm (203 dpi)
Paper Size	58mm*40mm
Max Printing Speed	70 mm/s
Physical /Weight	89.8mm(L)*82.7mm(W)*76.7mm(H)/97g



F310-2 Unattended Module

Cameras	Front: 2MP FF, Support Scanner 1D&2D code Rear: None
Ports	RS232-A(RJ45)*1, RS232-B(RJ45)*1, LAN(RJ45)*1, PWRDIG.I/O*1, MDB-M EXE*1, MDB-S*1, 4G SMA*1, Type A*1, Type C(USB2.0, OTG)
Ingress Protection Rating	IP54
Physical/Weight	195.7mm(L)*101mm(W)*64.2mm(H)/565g



F310-3 5000mAh Battery Module

Battery	3.8V/5000mAh
Physical/Weight	173mm(L)*81mm(W)*26.4mm(H)/439.5g

F310-8 Fiscal Module

Fiscal Module	USB/37.15mm(L)*15.70mm(W)*6.40mm(H), UART/30.00mm(L)*29.95mm(W)*9.40mm(H)
Battery	3.8V/3000mAh
Physical/Weight	173mm(L)*81mm(W)*26.4mm(H)/388.5g



F310-4 Scanner Module

Motion Tolerance	High motion tolerance(6 m/s)
Max Image Speed	Maximum image capture rate of 120 fps
Scan Mode	Supports 1D, 2D, and OCR as well as packaging bar codes and screen bar codes
Physical/Weight	209.2mm(L)*85.1mm(W)*81.1mm(H)/33.5g

F310-5 Rugged Device

Ingress Protection Rating	IP66
Drop Height	1.8m
Scanner(optional)	
Motion Tolerance	High motion tolerance (6 m/s)
Max Image Speed	Maximum image capture rate of 120 fps
Scan Mode	Supports 1D, 2D, and OCR as well as packaging barcodes and screen bar codes
Physical/Weight	191.5mm(L)*95.4mm(W)*32.5mm(H)/440g

2" Printer(58mm)(optional)

Printing Method	Thermal dot printing
Number of Dots	384 dots/line
Paper Size	58mm*40mm
Max Printing Speed	70 mm/s

F310-6 Charging Cradle

Ports	Type C*1, RJ45*1, Type A*2, RJ11*1(RS232)
Physical/Weight	159.6mm(L)*100mm(W)*51.0mm(H)/180g



F310-9 Printer+Customer Display Module

Printer Screen	LCD 1.6 inch TFT 128*64
2" Printer(58mm)	
Printing Method	Thermal dot printing
Number of Dots	384 dots/line
Resolution	8 dots/mm (203 dpi)
Paper Size	58mm*40mm
Max Printing Speed	70 mm/s
Physical/Weight	89.8mm(L)*86.2mm(W)*76.7mm(H)/146g



F310-10 Printer + Capacitive FP Module

2" Printer(58mm)	
Printing Method	Thermal dot printing
Number of Dots	384 dots/line
Resolution	8 dots/mm (203 dpi)
Paper Size	58mm*40mm
Max Printing Speed	70 mm/s
Capacitive fingerprint module	
Image Size	256*360 pixels
Image Resolution	508 dpi
Sensor Type	Semiconductor capacitive
Physical/Weight	89.8mm(L)*91.7mm(W)*76.7mm(H)/147g





F310-12 Optical FP Module

ID optical fingerprint module
(CBM E3/V3, SM-92M, Slim2/2s, FS81H/FS89H)

Image Quality Standards	FBI PIV/Mobile ID FAP10/20/compliant
Sensor Type	Optical
Resolution	500 dpi
Gray Scale	256 level
Physical/Weight	115mm(L)*89.8mm(W)*25.2mm(H)/107g

F310-12P Identification Printer Module

ID optical fingerprint module

Image Quality Standards	FBI PIV/Mobile ID compliant
Sensor Type	Optical
Resolution	500 dpi
Gray Scale	256 level

2" Printer(58mm)

Printing Method	Thermal dot printing
Number of Dots	384 dots/line
Resolution	8 dots/mm (203 dpi)
Print Size	58mm*40mm
Max Printing Speed	70 mm/s
Physical/Weight	89.8mm(L)*82.7mm(W)*76.7mm(H)/254g



F310-11 Smart ECR Module

Pad Module

Operating System Android 14	Keys / Buttons Power Key, Volume +/- Key
Processor Quad-Core 4*A53@2.0GHz	Sensor Gyro-sensor
Memory 3GB RAM + 32GB ROM	Audio 1.5W
Communications 4G(LTE-FDD/LTE-TDD)+3G(WCDMA) Wi-Fi 6: 2.4&5GHz, Bluetooth 5.2/BLE	Card Slot SIM*1+PSAM*1+TF card*1(up to1 TB)
Location GPS, GLONASS	Ports Type C(USB3.0 OTG)*1, Type C(only charging)*1
Display 10.1 inch, HD IPS LCD 1280*800Pixel Multitouch	Physical 245mm(L)*164mm(W)*12.9mm(H)
Cameras Rear: 8MP AF with Flash LED Front: 5MP FF	Environment Operating Temperature: -10°C ~ 50°C (14°F~122°F) Storage Temperature: -20°C ~ 70°C (-4°F~158°F) Relative Humidity: 5%-96% (Non-Condensing)
NFC 13.56MHz, ISO/IEC 14443, ISO18092, Type A&B, Felica, Mifare card	Certifications CE, ROHS, WEEE, UN38.3

Base Bracket

Printer	Thermal printer, Paper size: 58mm*60mm
Camera	0.3M FF, Support Scanner 1D&2D code
Interface	Type A*3(USB2.0 Host), RJ11*1(Cash drawer), RJ12*1(Cash drawer), RJ45(LAN 100M)*1, Audiojack*1, Type C*1 (Test), DC interface*1
Audio	3W
Keys / Buttons	Power Key*1
Physical	326mm(L)*165mm(W)*350mm(H)(Vertical screen) /(Horizontal screen)
Card Slot	SIM*1+PSAM*2+TF card*1(up to 1TB) (Reuse the F310)
Adapter	Input: 100-240V AC, 50/60Hz 0.35A Output: 24V DC/2.5A
Accessories	Adapter*1, DC Cable(only charging)*1, Manual*1
Certifications	CE, ROHS, WEEE, UN38.3
Pad Adjustable in Angle	138°
Payment Module	F310





F310-17A Desktop Stand

Face Recognition Camera	16MP AF, Support Scanner 1D&2D code, Face recognition Optional: 5MP AF
Cradle	
Interface	Type C*1(USB2.0), Type C*1(5V2A), RJ45*1(LAN, 100M)
Bracket Height MIN Value	328mm
Bracket Height MAX Value	427mm
Base Diameter	130mm
Inclination	-10°~45°
Revolve	-170°~170°
Physical/Weight	130mm(L)*130mm(W)*328~437mm(H)/585g

F310-18 Scanner Printer Module

Scanner	
Motion Tolerance	High motion tolerance (6 m/s)
Max Image Speed	Maximum image capture rate of 120 fps
Scan Mode	Supports 1D, 2D, and OCR as well as packaging barcodes and screen bar codes
2" Printer(58mm)	
Printing Method	Thermal dot printing
Number of Dots	384 dots/line
Resolution	8 dots/mm (203 dpi)
Max Printing Speed	70 mm/s
Print Size	58mm*40mm
Physical/Weight	91.4mm(L)*89.8mm(W)*76.7mm(H)/112g



F310-19 Wireless Charging Module

Coil Diameter	42mm
Current Impedance	The current impedance is less than 250 mohm
Coil Sensitivity	Quality factor Q>25 The inductance is 9.5uH ±10%
Fast Charging	10W wireless fast charging
Fixation	Powerful magnetic function
Physical/Weight	173mm(L)*82.5mm(W)*19.5mm(H)/311.5g



F310-22 Bus Bracket Module

Bus Bracket Module	
Adapter	Input: DC 12V~48V 2A MAX Output: 4.2V~3A
Ports	Type A(USB2.0, OTG)
Accessories	2P Cable(only charging)*1, Manual*1
Physical/Weight	209.2mm(L)*85.1mm(W)*81.1mm(H)/829g