

F310 P

Payment
Android POS



SPECIFICATIONS

F310 P		F310 P [RK]	
Operating System	Android 13	Operating System	Android 14
Processor	Quad-Core 4*A53@2.0GHz	Processor	Quad-Core 4*A53@2.0GHz
Memory	2GB RAM + 16GB ROM	Memory	2GB RAM + 32GB ROM
Communications	4G + 3G + 2G, Wi-Fi 5: 2.4&5GHz, Bluetooth 5.0/BLE	Communications	4G + 2G, Wi-Fi 6: 2.4&5GHz, Bluetooth 5.4/BLE
Location	GPS, BDS, Galileo, GLONASS, QZSS, SBAS	Location	GPS, BDS, GLONASS (Select two from three)
Display	6.5 inch, HD IPS LCD, 720*1600 Pixel, Multi-touch	Display	6.5 inch, HD IPS LCD, 720*1600 Pixel, Multi-touch
Cameras	Rear: 8MP AF with Flash LED Front: 2MP FF Support 1D/2D barcode	Cameras	Rear: 8MP AF with Flash LED Front: 2MP FF Support 1D/2D barcode
Battery	3.8V/3000mAh	Battery	3.8V/3000mAh
Magnetic Card Reader	ISO/IEC 7811, ISO/IEC 7813, Track 1/2/3, Bi-directional swiping	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	IC Card Reader	ISO/IEC 7816, Conform to EMV L1/L2
NFC	13.56MHz, ISO/IEC 14443, ISO/IEC 18092, Type A&B, Felica, Mifare card	NFC	13.56MHz, ISO/IEC 14443, ISO/IEC 18092, Type A&B, Felica, Mifare card
Keys/Buttons	Power Key, Function Key, Volume+/- Key	Keys/Buttons	Power Key, Function Key, Volume+/- Key
Sensor	Proximity Sensor (P-Sensor), Light Sensor (L-Sensor)	Sensor	Proximity Sensor (P-Sensor), Light Sensor (L-Sensor)
Audio	1W	Audio	1W
Card Type	SIM*1 + PSAM*2 or SIM*2 + PSAM*1, TF card*1 (up to 1TB) (Optional: eSIM*1 + SIM*1 + PSAM*1 + TF Card*1)	Card Type	SIM*1 + PSAM*2 or SIM*2 + PSAM*1, TF card*1 (up to 1TB) (Optional: eSIM*1 + SIM*1 + PSAM*1 + TF Card*1)
Peripheral Ports	Type C*1 (USB2.0, OTG), Pogopin (6PIN)*1, Pogopin (8PIN)*1	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	Adapter	Input: 100-240V AC, 50/60Hz 0.35A Output: 5V DC/2.0A
Physical	173mm (L)*82.5mm (W)*17.2mm (H)	Physical	173mm (L)*82.5mm (W)*17.2mm (H)
Weight	278g	Weight	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, Paypass, PayWave, Amex, Discover, JCB, Pure, qUICS, TQM, MIR, EFT POS, RoHS, CE, FCC, WEEE, CB, DGM, UN38.3, MSDS, NTRA-VOC, GSMA, Telec, JATE, RNIB		



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

Card Slot	SIM*1 + PSAM*2 or SIM*2 + PSAM*1
Interface	RS232-A*1(RJ45), RS232-B*1(RJ45), LAN*1(RJ45), PWRDIG.I/O*1, MDB-M EXE*1, MDB-S*1, 4G SMA*1, Type A*1, Type C*1(USB2.0, OTG)
Adapter	Input: 100-240V AC, 50/60Hz 0.35A Output: 12V-48V DC/2.0A
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
Fiscal Module	USB/37.15mm(L)*15.70mm(W)*6.40mm(H) UART/30mm(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 Modes	Support 1D, 2D barcode and OCR
Physical/Weight	209.2mm(L)*85.1mm(W)*81.1mm(H)/33.5g

F310 P Accessories



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 Modes	Support 1D, 2D barcode and OCR
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)*51mm(H)/180g



F310-9 Printer+Customer Display Module

Printer Screen	LCD 2.4 inch, 240*320 IPS
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 Pixel
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

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

Display (Model Name: M60)

Operating System	Android 14	Sensor	G-Sensor
Processor	Quad-Core 4*A53@2.0GHz	Keys/Buttons	Power Key, Volume +/- Key
Memory	4GB RAM + 32GB ROM	Physical	245.8mm(L)*165.2mm(W)*113mm(H)
Display	10.1 inch, HD IPS LCD 800*1280 Pixel Multi-touch	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)
Camera	Front: 8MP AF	Certifications	CE, ROHS, WEEE, UN38.3
NFC	13.56MHz, ISO/IEC 14443, ISO/IEC 18092, Type A&B, Felica, Mifare card		

Base Bracket

Printer	Thermal printer, Paper size: 58mm*60mm
Camera	0.3M FF, Support 1D/2D barcode
Interface	Type A*3(USB2.0 Host), RJ11*1(Cash drawer), RJ12*1(Cash drawer), RJ45(LAN 100M)*1, Audiojack*1, Type C*1(debug), DC Jack*1, Fiscal module(USB/URAT)*1
Audio	3W
Key/Button	Power Key*1
Physical	328mm(L)*245.8mm(W)*272.2mm(H)(Horizontal screen) /328mm(L)*166mm(W)*350mm(H)(Vertical screen)
Card Type	SIM*2+TF card*1(up to 1TB)+PSAM*1(Refuse the F310 P)
Adapter	Input: 100-240V AC, 50/60Hz 0.35A Output: 24V DC/2.5A
Accessories	Adapter*1, Manual*1
Certifications	CE, ROHS, WEEE, UN38.3
Adjustable Angle	138°
Payment Module	F310 P

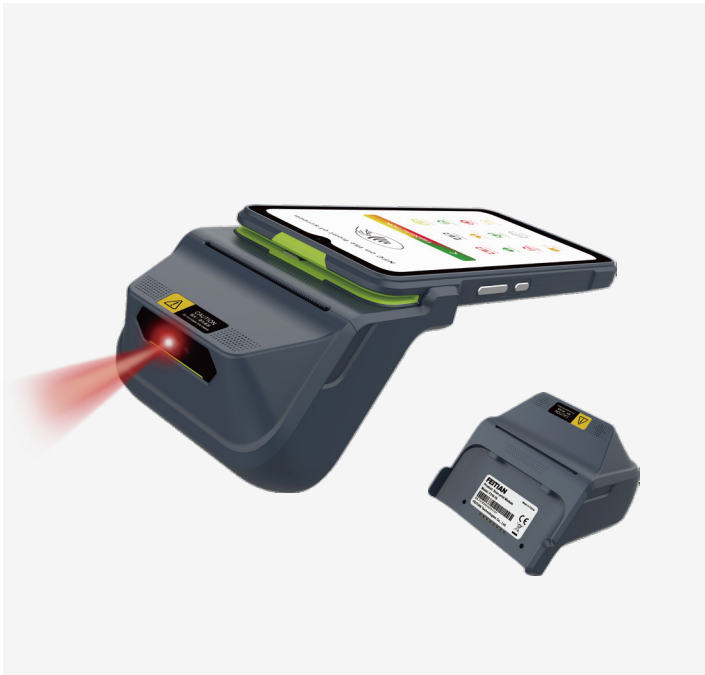


F310-17A Desktop Stand

Face Recognition Camera F310 P(NO MSR),16MP AF, Support 1D/2D, Face recognition
Optional: 5MP AF

Stand

Interface	Type C*1(USB2.0), Type C*1(5V3A), RJ45*1(LAN, 100M)
Stand Height	335mm~431mm
Base Diameter	130mm
Inclination	-10°~45°
Revolve	-170°~170°
Physical/Weight	130mm(L)*130mm(W)*335~431mm(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 Modes	Support 1D, 2D barcode and OCR

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 Cover

Charging Power	10W
Charging Method	Magnetic Wireless Charging
Physical/Weight	173mm(L)*82.5mm(W)*19.5mm(H)/311.5g



F310-20 Handheld Palm Vein Recognition Module

Working Distance	5cm~12cm
Resolution/Frame Rate	RGB/IR: 720*1024/25 FPS
Indoor and Outdoor Scenes	Typical illuminance range 0-50, 000lux
Physical /Weight	104.2mm(L)*89.8mm(W)*25.2mm(H)/105g