

IT4-24 Series IIoT HMIs

4G/Wi-Fi Module



Innovative

Cost-Effective

Secure

Cermate



		IT407-24ST(F)	IT407-24ST(L)	IT410-24ST	IT412-24ST	IT415-24ST
LCD Display	Size	7.0" diagonal	7.0" diagonal	10.1" diagonal	12.1" diagonal	15.0" diagonal
	Max. Resolution	800x480	800x480	1024x600	1024x768	1024x768
	Type	TFT LCD with LED Backlight (16-bit)				
	Backlight (hr)	20000			50000	
	Luminance (cd/m2)	400	400	350	500	350
	Touch Panel	4-wire Resistive Type			5-wire Resistive Type	
CPU & Memory	CPU	RISC ARM9 32Bit				
	Battery Backup SRAM	1MB				
	Working Memory	128MB				
	Application and Data File Memory	64MB				
	Real-Time Clock (RTC)	YES (Unchargeable battery type,5 years battery life)				
	Max. Programming pages	7999Pages				
Communication Interface	Max. Macro Commands	Unlimited				
	Micro SD Slot	YES				
	USB Host / Client	Host:USB 2.0 / Client:USB 2.0				
	Com Port (Com1 & Com2)	Standard for Type B→ Com1: RS232 & Com2: RS485(5Pin-Terminal) (Optional for Type A→ Com2: RS422 or RS485 / Type D→ Com1: RS485 & Com2: RS485 (5Pin-Terminal)				
	Ethernet	LAN1: 10/100 Base-T x1 / LAN2: 10/100 Base-T x1				
	SIM Slot	YES (Nano-SIM)				
4G*	Standard & Frequency Band	RU101: FDD-LTE (Band 1/3/5/7/8/28 Band 2/4/5/7/8/28) RU102: FDD-LTE (Band 1/3/5/7/8/20 Band 1/3/8/18/19/26) RU103: FDD-LTE (Band 2/4/5/12/13/17 Band 18 Band 25/26)				
	Theoretical Bandwidth	FDD/TDD LTE: upstream 50Mbps/ downstream 100Mbps				
	Receiving Sensitivity	-108dBm				
Wi-Fi*	Standard & Frequency Band	Support IEEE802.11b/g/n, maximum speed up to 150Mbps				
	Encryption	Support WEP/ WPA/ WPA2 encryption				
	Transmit Power	16-17dBm (11g) , 18-20dBm (11b) 15dBm (11n)				
Power	Receiving Sensitivity	< -72dBm@54Mbps				
	Supply Voltage	24VDC±10%(Isolated)				
	Consumption	20W				
Environment	Operating Temperature	-10°C~60°C				
	Storage Temperature	-20°C~70°C				
	Relative Humidity	10% ~ 90%				
	Shock (Operation)	Half sine, 20G, 11ms duration				
	Vibration (Operation)	Random vibration 1 Grms (5 ~ 500 Hz)				
	Certification	CE(EN61000-6-2, EN61000-6-4) / FCC(Part 15 Class A)				
Mechanism Spec.	Ingress Protection	IP66				
	Cooling	Natural Cooling				
	Dimension WxHxD (mm)	189.6 x 144.9 x 46.4	203.8 x 148.8 x 47.4	270.1 x 212.1 x 53.78	335.4 x 245.8 x 76.7	399.1 x 297.6 x 73.7
	Cutout Dimension WxH (mm)	175 x 132.5	191.5 x 138	259 x 201	302 x 228	384.5 x 283
Net Weight (Kg)		0.5	0.55	1.1	2	3
Software Version		PM Designer v4.0				

*Choose either 4G antenna or Wi-Fi antenna.

Naming rule

