

Product Catalog

Human Machine Interface

An innovative provider of industrial automation core components and digital integration solutions.



COMPANY OVERVIEW

Flexem Technology is a solution provider of automation and digitally integrated automation products.

Flexem was founded in 2010 in China and has become a prominent industrial automation, motion control and IoT company.

We offer automation solutions with strong IoT capabilities to OEMs and end users across a wide range of industries and applications, including semiconductors, 3C, photovoltaic equipment, lithium battery, packaging machinery, HVAC equipment, pump control, electronic devices, oil & gas and smart agriculture.

Our wide portfolio of industrial automation and digitalization solutions - including HMIs, PLCs, remote IOs, industrial gateways, high performance servos, IoT and digital software platforms - delivers complete solutions for equipment manufacturers and end users.

400+

SUPPORTED INDUSTRIAL PROTOCOLS

5000+

CASE STUDIES AND SOLUTIONS

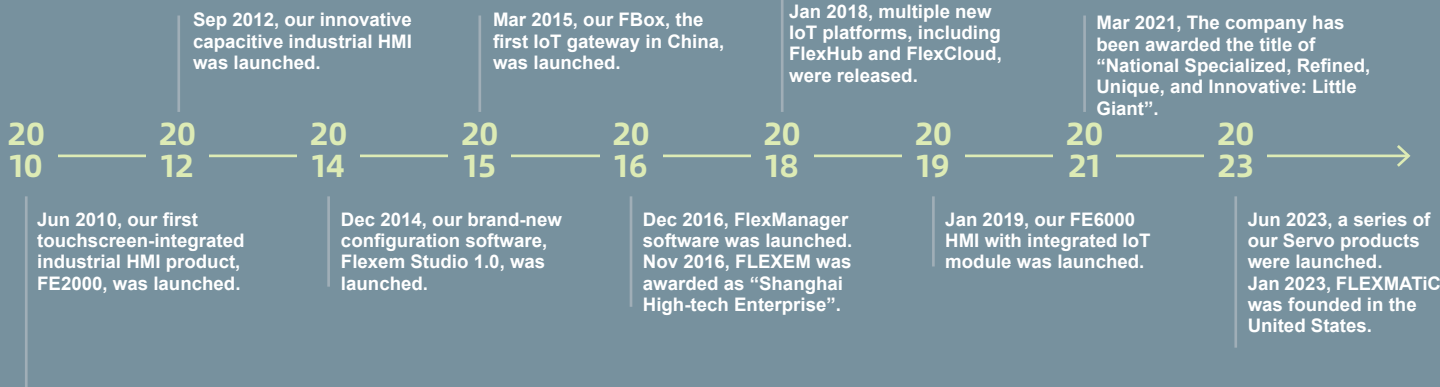
200+

R&D ENGINEERS

1000k+

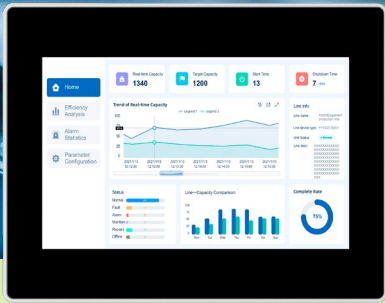
DEVICES CONNECTED

FLEXEM MILESTONE TIMELINE



FPAD7X SERIES- CAPACITIVE HMI

The FPAD7X Series features a projected capacitive touchscreen with support for 5-point multi-touch operation. Equipped with a high-resolution LCD, it delivers smooth playback of high-definition video content. The slim aluminum housing supports both embedded and VESA mounting, and multiple screen sizes are available to meet the needs of diverse application scenarios.



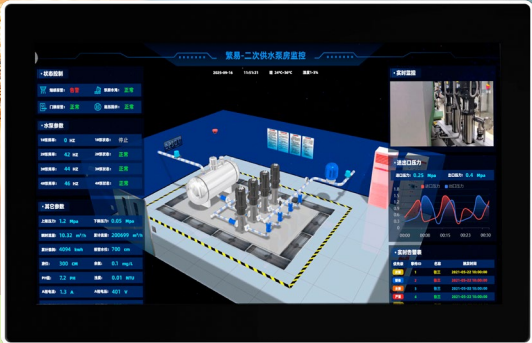
FPAD710X

- Full Lamination Design
- Supports Glove Touch
- High-definition & High Brightness
- Multi-touch
- Object-Oriented Development



FPAD712X

- 3D Configuration
- Aluminum Alloy Enclosure
- 4-Core CPU
- Power Isolation & Protection Circuit
- Supports VESA Mounting



FPAD716X

- 5000+ Alarms
- 100K+ PLC Tags
- 500+ Screens
- Rich Connectivity
- Supports Tablet-Based Debugging

FEATURES	FPad710X	FPad712X	FPad716X
Display	10.1" 16:10 TFT LCD	12.1" 16:10 TFT LCD	15.6" 16:9 TFT LCD
LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°	80°/80°/80°/80°	85°/85°/85°/85°
Resolution	1280×800	1280×800	1920×1080
Colors	24-bit		
Brightness	400 cd/m²		
Backlight Type	LED		
LCD Lifetime	50000 hours		
Touch Panel	Glass+Glass Projection multi-point capacitive touch screen		
CPU	4*Cortex-A72+4*Cortex-A53, 2.2GHz		
RAM	2GB DDR4		
Flash	16GB eMMC		
RTC	Built-in		
Ethernet	2*gigabit Ethernet card (10/100/1000M)		
USB Port	2*USB Type-A 3.0 port		
Serial Port	COM1:RS232/RS485/RS422; COM2:RS485/RS422; COM3:RS232		
Rated Power	< 15W		
Input Voltage	DC24V, Working range DC 18V~28V		
Power Protection	Isolated power adapter with lightning surge protection		
Power Interruption Tolerance	< 5ms		
Certification	CE, RoHS		
Operating Temperature	-10~60℃		
Storage Temperature	-20~60℃		
UV Resistance	Operating in high UV environment is prohibited		
Environmental Humidity	10~90%RH (Non-condensing)		
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)		
Cooling Mode	Natural cooling		
Installation Method	Flush-mounted / VESA mounted		
Protection Level	Front IP65 (with NEMA panel), Back IP20		
Mechanical Structure	Non-ferrous alloy housing		
Cutout Dimensions	260mm×202mm	295mm×217mm	380mm×245mm
Dimensions	274mm×214mm×27mm	313mm×228mm×38mm	394mm×256mm×31mm
Weight	About 1,450g	About 2,300g	About 2,700g

FPAD7 SERIES- WEB HMI

The FPAD7 Series is Flexem’s latest generation of high-end touchscreen HMIs. Based on an HTML5 web architecture, the series offers higher system configurations and stronger overall performance. With support from the FSU software development framework and object-oriented design, it is particularly well suited for complex HMI project development.



FPAD710

FPAD716

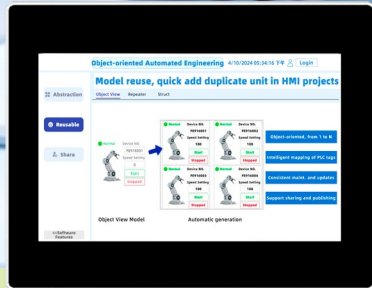
- Supports simultaneous access by multiple browser clients on a LAN.
- Object-oriented modular programming for rapid development.
- Supports Python scripting.
- Supports Web services, MQTT, databases, and other third-party integrations.

FEATURES	FPad707	FPad710	FPad712	FPad716
Display	7" 16:9 TFT LCD	10.1" 16:10 TFT LCD	12.1" 16:10 TFT LCD	15.6" 16:9 TFT LCD
LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°	85°/85°/85°/85°	80°/80°/80°/80°	85°/85°/85°/85°
Resolution	1024×600	1280×800	1280×800	1920×1080
Colors	24-bit			
Brightness	350 cd/m²	400 cd/m²		
Backlight Type	LED			
LCD Lifetime	50000 hours			
Touch Panel	4-wire industrial resistive touch screen			
CPU	64-bit 4*Cortex-A55, 2.0GHz	4*Cortex-A72+4*Cortex-A53, 2.2GHz		
RAM	4GB DDR4	2GB DDR4		
Flash	32GB eMMC	16GB eMMC		
RTC	Built-in			
Ethernet	2*gigabit Ethernet card (10/100/1000M)			
USB Port	1*USB Type-A 3.0 port 1*Type-C OTG port	2 * USB 3.0 (Type-A, Rear IO)		
Serial Port	COM1:RS232/RS485/RS422; COM2:RS485; COM3:RS232	COM1:RS232/RS485/RS422; COM2:RS485/RS422; COM3:RS232		
Operating System	Linux			
Programming Software	Flexem Studio Unified			
Rated Power	< 15W			
Input Voltage	DC24V, Working range DC 18V~28V			
Power Protection	Isolated power adapter with lightning surge protection			
Power Interruption Tolerance	< 5ms			
Certification	CE, RoHS			
Operating Temperature	0~50°C	-10~60°C		
Storage Temperature	-20~60°C	-20~70°C		
UV Resistance	Operating in high UV environment is prohibited			
Environmental Humidity	10~90%RH (Non-condensing)			
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)			
Cooling Mode	Natural cooling			
Installation Method	Flush-mounted	Flush-mounted / VESA mounted		
Protection Level	Front IP65 (with NEMA panel), Back IP20			
Mechanical Structure	Engineering Plastic Shell	Non-ferrous alloy housing		
Cutout Dimensions	190mm×136mm	260mm×202mm	295mm×217mm	380mm×245mm
Dimensions	204mm x 145mm x 34mm	274mm×214mm×27mm	313mm×228mm×38mm	394mm×256mm×31mm
Weight	About 472g	About 1,450g	About 2,300g	About 2,700g

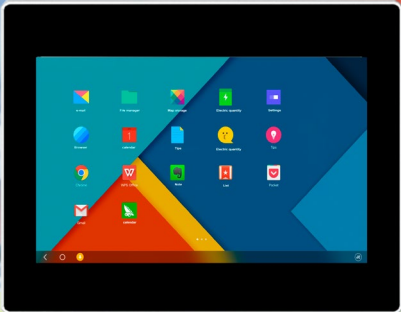
FPAD5 SERIES- Open HMI

As HMI applications continue to expand, on-site requirements are becoming increasingly flexible, diverse, and open.

Open Web HMI was developed in response to these demands. It allows users to design and run their own applications based on open Linux operating systems. In addition, Open Web HMI provides a pure browser-based client mode for accessing local HTML5 web applications.



FPAD507W



FPAD510W



FPAD516W

- Support pure browser HMI mode, power-on self-starting optional. Linux operating system, running third-party software.
- Industrial-grade hardware design
- Cost-effective

- Supports flush mounting
- Available in 7-inch, 10.1-inch, 15.6-inch



CHROME



LINUX

FEATURES	FPad507W	FPad510W	FPad512W	FPad516W
Display	7" 16:9 TFT LCD	10.1" 16:10 TFT LCD	12.1" 16:10 TFT LCD	15.6" 16:9 TFT LCD
LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°	85°/85°/85°/85°	80°/80°/80°/80°	85°/85°/85°/85°
Resolution	1024×600	1280×800	1280×800	1920×1080
Colors	24-bit			
Brightness	350 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²
Backlight Type	LED			
LCD Lifetime	50000 hours			
Touch Panel	4-wire industrial resistive touch screen			
CPU	4*Cortex-A55,64-bit, 2.0GHz			
RAM	2GB DDR4			
Flash	8GB eMMC			
RTC	Built-in			
Ethernet	2*Gigabit Ethernet(10M/100M/1000M) port			
USB Port	1*USB Type-A 3.0 port 1*USB Type-C OTG port	2*USB Type-A 3.0 port		
Serial Port	COM1: RS232/RS485/RS422 COM2: RS485 COM3: RS232			
WiFi	Optional			
Horn	Built-in			
Operating System	Debian-based Linux			
Rated Power	< 15W			
Input Voltage	DC24V, input range: 18V~28V			
Power Protection	Isolated power adapter with lightning surge protection			
Power Interruption Tolerance	< 5ms			
Certification	CE, RoHS			
Operating Temperature	0~50℃			
Storage Temperature	-20~60℃			
UV Resistance	Operating in high UV environment is prohibited			
Environmental Humidity	10~90%RH (Non-condensing)			
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)			
Cooling Mode	Natural cooling			
Installation Method	Flush-mounted	Flush-mounted installation/VESA installation		
Protection Level	Front: IP65 (with NEMA panel) Back: IP20			
Enclosure Material	Engineering Plastic Shell	Non-ferrous alloys		
Cutout Dimensions	190mm×136mm	260mm×202mm	295mm×217mm	380mm×245mm
Dimensions	204mm×145mm×34mm	274mm×214mm×27mm	313mm×228mm×38mm	394mm×256mm×31mm
Weight	About 472g	About 1,450g	About 2,300g	About 2,700g

FE6300X SERIES

CAPACITIVE HMI (with FLink2)

The FE6300X Series is an upgraded capacitive touchscreen HMI designed to deliver smoother, more responsive interaction and enhanced system performance for industrial applications.



FE6380X

FE6400X

- Flexible configuration of the FLink2 module
 - Optimized installation of FLink2 products
 - High brightness & high-brightness display
- Glass+Glass Projection multi-point capacitive touch screen
 - Support PLC program upload, download and monitoring

FEATURES	FE6380X	FE6400X
Display	8" 16:9 LCD TFT	10.1" 16:9 TFT LCD
LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°	
Resolution	1024X600	
Colors	24-bit	
Brightness	300 cd/m²	400 cd/m²
Backlight	LED	
LCD Lifetime	50000 hours	
Touch Panel	Glass+Glass Projection multi-point capacitive touch screen	
CPU	1GHz, 2-core Cortex-A7	
RAM	256MB DDR3	
Flash	256MB Flash	
RTC	Built-in	
SD Card	/	
Bluetooth	/	
Ethernet port	1*RJ45, based on 10/100Mbps	
USB Port	1* Type-C 2.0 port; 1* USB Type-A port	
Download Method	USB Slave Port / USB drive	
Serial port	COM1: RS232/RS485/RS422; COM2:RS485; COM3: RS232	
Rated power	<10W	
Input Voltage	DC24V, Working range DC 9V~28V	
Power supply protection	With lightning surge protection	
Power Interruption Tolerance	< 5ms	
CE&RoHS	CE, RoHS	
Operating Temperature	0~50℃	
Storage Temperature	-20~60℃	
UV Resistance	Operating in high UV environment is prohibited	
Environmental Humidity	10~90%RH (Non-condensing)	
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)	
Cooling Mode	Natural Cooling	
Protection Level	Front: IP65; Rear: IP20	
Enclosure Material	Engineering plastic	
Cutout Size	190×136mm	260×202mm
Dimensions	204×145×36.6mm	273×213×36mm
Weight	About 476g	About 920g

FE6300 SERIES- IoT HMI (with FLink2)

Flexem’s IoT FE6300 series HMIs build on the popular 6000 series, delivering improved CPU performance and increased storage space to meet the needs of a range of different application scenarios.



FE6370C



FE6370CE



FE6370W



FE6370WE-UL



FE6380WE



FE6400WE-UL



- Flexible configuration of the FLink2 module
- Optimized installation of FLink2 products
- High brightness
- High resolution
- Support remote configuration and diagnosis
- Support PLC program upload, download and monitoring

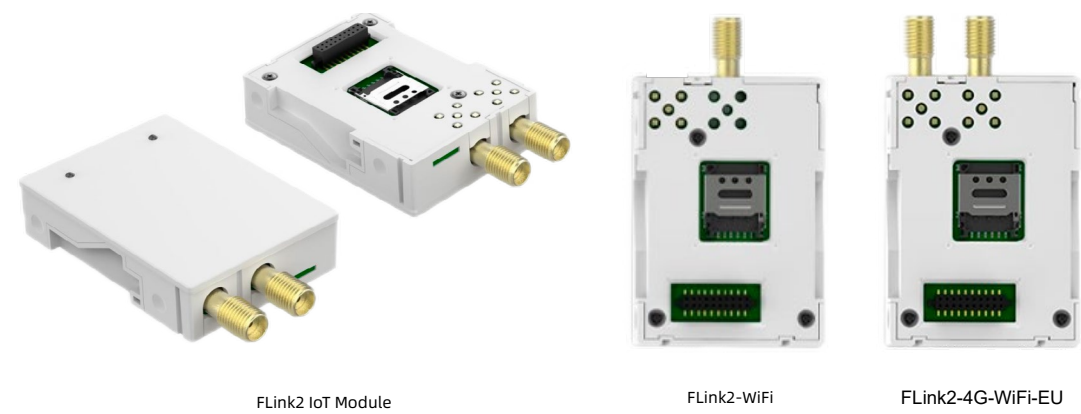
UL Models	-	-	-	FE6370WE-UL	-	-	FE6400WE-UL
Pure Black Frame	-	-	-	FE6370HCE	-	-	FE6400CE
Standard Models	FE6370C	FE6370CE	FE6370W	FE6370WE	FE6380WE	FE6400W	FE6400WE
Display	7" 16:9 LCD TFT				8" 16:9 TFT LCD	10.1" 16:9 LCD TFT	
LCD Viewing Angles (T/B/L/R)	50°/70°/70°/70°	50°/70°/70°/70°	85°/85°/85°/85°	85°/85°/85°/85°	85°/85°/85°/85°	85°/85°/85°/85°	85°/85°/85°/85°
Resolution	800X480	800X480	1024×600	1024×600	1024×600	1024×600	1024×600
Colors	24-bit						
Brightness	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	300 cd/m²	400 cd/m²	400 cd/m²
Backlight	LED						
LCD Lifetime	50000 hours						
Touch Panel	4-wire resistive touch screen						
CPU	1GHz, 2-core Cortex-A7						
RAM	256MB DDR3						
Flash	256MB Flash/ UL Models:4GB eMMC						
RTC	Built-in						
SD Card	/						
Ethernet port	/	1*RJ45, based on 10/100Mbps	/	1*RJ45, based on 10/100Mbps		/	1*RJ45, based on 10/100Mbps
USB Port	1* Type-C 2.0 port; 1* USB Type-A port						
Download Method	USB Slave Port / USB drive			USB Slave Port / USB drive / Ethernet port		USB Slave Port / USB drive	USB Slave Port / USB drive / Ethernet port
Serial port	COM1: RS232/RS485/RS422 COM3: RS232		COM1: RS232/RS485/RS422 COM2: RS485 COM3: RS232				
Rated power	<10W						
Input Voltage	DC24V, Working range DC 9V~28V						
Power supply protection	With lightning surge protection						
Power Interruption Tolerance	< 5ms						
Certification	-UL models: CE, RoHS,UL Standard models:CE, RoHS						
Operating Temperature	0~50℃						
Storage Temperature	-20~60℃						
UV Resistance	Operating in high UV environment is prohibited						
Environmental Humidity	10~90%RH (Non-condensing)						
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)						
Cooling Mode	Natural Cooling						
Protection Level	Front: IP65; Rear: IP20						
Enclosure Material	Engineering plastic						
Cutout Size	190×136mm				190×136mm	260×202mm	
Dimensions	204×145×36.6mm				204×145×36.6mm	273×213×36mm	
Weight	About 476g				About 476g	About 920g	

FLink2

IoT MODULE

Flink2 is an IoT access module designed to work with the 6300 Series HMI.

Through Flink2 module, the 6300 Series HMI connects to the FLEXEM IoT Platform, enabling remote management and control of terminal devices.



- Supports 350+ industrial protocols, compatible with most industrial devices.
- Performs local data parsing and uploads data to the cloud server.
- Supports edge computing, allowing local data processing and computation.
- Compatible with the FANE Remote Management Tool for remote configuration and diagnostics.
- Supports PLC program upload, download, and online monitoring.
- Provides local storage for historical data caching.

FEATURES	FLink2-WiFi	FLink2-4G-WiFi-EU
Network Access	Ethernet / WiFi	Ethernet;4G;WiFi
Network Frequency Band	WiFi: IEEE 802.11b/g/n compatible WLAN IEEE 802.11e QoS Enhancement (WMM)	4G: LTE FDD: B1/B3/B5/B7/B8/B20/B28 WiFi: IEEE 802.11b/g/n compatible WLAN IEEE 802.11e QoS Enhancement (WMM)
Antenna	FEA-WiFi antenna is required Purchased separately	FEA-YT 4G round-headed antenna required or FEA-WiFi antennas, need to be purchased separately
SIM Card	External 4G card needs to be purchased separately	4G SIM card, need to be self-configured
Operating Temperature	-10~60°C	
Storage Temperature	-20~70°C	
Environmental Humidity	10~90%RH (Non-condensing)	
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)	
Cooling Mode	Natural cooling	
Enclosure Material	ABS Engineering plastic	
Dimensions	37mm×62mm×15.3mm	
Weight	About 30g	
VPN Transparent Transmission	Available	
Edge Computing	20 points	
Data Monitoring	300 points	
Alarm Notification	100 points	
Historical Data	30 points	
Historical Data Storage Duration	60 days	
Network Protocol	Support more than 100 industrial protocols	
Management and Maintenance	Support import, export, and remote update of configuration files	

The FLink2 hot-pluggable IoT Module can only be used on FE6300 series IoT HMI. It is not available for individual purchase.

FE7000 SERIES-BASIC HMI

FE7000 series HMI inherits the high-definition, high brightness, and wide viewing angles display from the 6000 series. With its upgraded 2-core 1 GHz high-performance CPU, its human-machine interaction experience is greatly improved.



FE7043WE



FE7070C-UL



FE7070W-UL



FE7070WE-UL



FE7100W-UL



FE7100WE-UL



- 2-Core 1GHz Processor
- Available in 4.3-inch, 7-inch, 10.1-inch
- High-capacity storage
- Certification: CE, RoHS, UL, FCC

UL Models	-	FE7070C-UL	FE7070W-UL	FE7070WE-UL	FE7100W-UL	FE7100WE-UL
Standard Models	FE7043WE	FE7070C	FE7070W	FE7070WE	FE7100W	FE7100WE
Display	4.3" 16:9 TFT LCD	7" 16:9 TFT LCD	7" 16:9 TFT LCD	7" 16:9 TFT LCD	10.1" 16:9 TFT LCD	10.1" 16:9 TFT LCD
LCD Viewing Angles (T/B/L/R)	80°/80°/80°/80°	50°/70°/70°/70°	85°/85°/85°/85°	85°/85°/85°/85°	85°/85°/85°/85°	85°/85°/85°/85°
Resolution	800 × 480	800 × 480	1024 × 600	1024 × 600	1024 × 600	1024 × 600
Colors	16-bit	24-bit				
Brightness	250 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	400 cd/m²	
Touch Panel	4-wire industrial resistive touchscreen					
CPU	1 GHz, 2-core Cortex - A7					
RAM	128 MB DDR3	128 MB DDR3				
Flash	128 MB Flash	256MB Flash/ UL Models:4GB eMMC				
Ethernet Port	1* 10 M/100 M	/	/	1* 10 M/100 M	/	1* 10 M/100 M
USB Port	1* Type-C OTG	1* Type-C OTG, 1*USB Type-A				
Program Download Method	USB slave / Flash drive	USB slave / Flash drive	USB slave / Flash drive	USB slave / Flash drive / Ethernet	USB slave / Flash drive	USB slave / Flash drive / Ethernet
Serial Port	COM1: RS232/ RS485/RS422 COM2: RS485 COM3: RS232	COM1: RS232/ RS485/RS422 COM3: RS232	COM1: RS232/RS485/RS422 COM2: RS485 COM3: RS232			
Rated Power	< 5 W	< 10 W				
Rated Voltage	DC24V, Working range: DC 9 V~28 V					
Power Protection	Lightning surge protection					
Power Interruption Tolerance	< 5 ms					
Certification	-UL models: CE, RoHS,UL Standard models:CE, RoHS					
Operating Temperature	0~50 °C					
Storage Temperature	-20~60 °C					
UV Resistance	Operating in high UV environment is prohibited					
Environmental Humidity	10~90% RH (Non-condensing)					
Vibration Endurance	10~25 Hz (X,Y,Z direction, 2 G/30 min)					
Protection Level	Front: IP65 (NEMA panel), Rear: IP20					
Enclosure Material	Engineering plastic					
Cutout Size	132×80 mm	190×136 mm	190×136 mm	190×136 mm	260×202 mm	260× 202 mm
Dimensions	138×86×32 mm	204×145×34 mm	204×145×34 mm	204×145×34 mm	273×213×36 mm	273×213×36 mm
Weight	About 300g	About 476g	About 468g	About 472g	About 890g	About 920g

FE7070WE-32MR SERIES

HMI-PLC ALL-IN-ONE UNIT



FE7070WE-32MR/ FE7070WE-32MRP

- HMI-PLC all-in-one unit
 - Greatly simplifies installation and configuration
- High degree of integration, space-saving
 - Main-board treated with three anti-paint, adaptable to various harsh environments

HMI FEATURES	FE7070WE-32MR	FE7070WE-32MRP
Display	7" 16:9 TFT LCD	
LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°	
Resolution	1024x600	
Colors	24-bit	
Brightness	350 cd/m²	
Backlight	LED	
LCD Lifetime	50000 hours	
Touch Panel	4-wire resistive touch screen	
CPU	1GHz, 2-core Cortex-A7	
RAM	128MB DDR3	
Flash	256MB Flash	
RTC	Built-in	
Ethernet port	1*RJ45, based on 10/100Mbps	
USB Port	1*USB Slave 2.0; 1*USB Host 2.0	
Program Download Method	USB Slave Port / USB drive / Ethernet port	
Configuration Software	FStudio	
Serial port	1*RS485 (COM1), signal isolation	
Electrical + Mechanical Characteristics		
Rated power	10W	
Input Voltage	DC24V, Working range DC 18V~30V	
Power Protection	With lightning surge protection	
Power Interruption Tolerance	< 5ms	
Certification	CE, RoHS	
Operating Temperature	0~50℃	
Storage Temperature	-20~60℃	
UV Resistance	Operating in high UV environment is prohibited	
Environmental Humidity	10~90%RH (Non-condensing)	
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)	
Cooling Mode	Natural Cooling	
Protection Level	Front: IP65; Rear: IP20	
Three-guard protection	Three anti-UV adhesive coating + dispensing	
Enclosure Material	Engineering Plastics	
Cutout Dimensions	190mm×136mm	
Dimensions	204mm×145mm×48mm	
Weight	About 750g	

PLC FEATURES	FE7070WE-32MR	FE7070WE-32MRP
CPU	ARM 32-bit Cortex™-M3 CPU	
Digital Input	16-channel Input	
Digital Output	8-channel Transistor(NPN)Output + 8-channel Relay Output	8-channel Transistor(PNP) Output + 8-channel Relay Output
Analog Input	4 channels, 4~20mA/0~10V, 16-bit resolution, signal isolated	
Analog Output	2 channels, 4~20mA/0~10V, 12-bit resolution, signal isolated	
PT100	4 channels, three-wire PT100, signal isolated	
User Program Memory	150K Bytes	
Non-volatile Memory or Retentive Memory	4K Bytes	
Timer	A total of 256 100ms Timers x206(timing range from 0.1 to 3276.7seconds) 10ms Timers x46(timing range from 0.01 to 327.67 seconds) 1ms Timers x4 (timing range from 0.001 to 32.767 seconds)	
Counter	235	
High-Speed Interrupt	Rising and falling edge interrupts on X0~X4, 3 timer interrupts	
Program Execution Mode	Cyclic Scanning	
Processing Speed	General Instructions: 0.1µs Functional Instructions (ON state 5µs; OFF state 0.5µs)	
Programming Language	Ladder Diagram & Standard C Language	
Serial Communication Port	1*RS485 (PORT1) , supports Mitsubishi FX2N and Modbus RTU protocol, signal isolated	
Programming Port	USB	
Programming Software	FlexLogic	
Corresponding PLC Model in FlexLogic Software	FL3-32MR-DC	

FE7070IP- WATERPROOF HMI

The durable, waterproof design of Flexem’s FE7070IP protects the motherboard from vapor or water damage, safeguards electricity safety, and prevents water leakage to maintain stability, reliability and high performance in tough conditions.

The Flexem FE7070IP combines a powerful CPU with an array of waterproof features and multi-layer silicone seals to deliver a robust touch screen suitable for a range of applications.



- Powerful CPU
 - Waterproof ventilation system
 - Waterproof USB/Type C port
 - Rustproof
- Corrosion resistant
 - Oxidation-proof
 - Multilayer silicone seals
 - Blind-hole fastener
- Waterproof power and communication connectors
 - High-definition, high-brightness full-view display
- 800 x 480 resolution industrial resistive touchscreen
 - High-capacity storage

FEATURES	FE7070IP
Display	7" 16:9 TFT LCD
"LCD Viewing Angles (T/B/L/R)"	50°/70°/70°/70°
Resolution	800 × 480
Colors	16-bit
Brightness	350 cd/m²
Touch Panel	4-wire industrial resistive touchscreen
CPU	1 GHz, 2-core Cortex - A7
RAM	128 MB DDR3
Flash	4GB eMMC
RTC	Built-in
Ethernet Port	/
USB Port	1* USB slave Type-C, 1* USB host 2.0
Program Download Method	USB slave / Flash drive
Serial Port	COM1: RS485
Rated Power	< 10 W
Rated Voltage	DC 24 V, Working range: DC 9 V~28 V
Power Protection	Lightning surge protection
Power Interruption Tolerance	< 5 ms
Certification	CE, RoHS
Operating Temperature	0~50 °C
Storage Temperature	-20~60 °C
UV Resistance	Operating in high UV environment is prohibited
Environmental Humidity	10~90% RH (Non-condensing)
Vibration Endurance	10~25 Hz (X,Y,Z direction, 2 G/30 min)
Protection Level	Waterproof structure of the whole machine
Enclosure Material	Engineering plastic
Cutout Size	192 × 138 mm (or 190 × 136 mm)
Dimensions	199× 145 × 50 mm
Weight	About 500g

FE9000 SERIES- HIGH PERFORMANCE HMI

The high performance FE9000 Series HMI is FLEXEM’s next generation high-performance industrial IoT human-machine interface (HMI) with easy installation and high reliability.



- Metal shell, better heat dissipation performance, better anti-interference ability
 - New configuration software, rich gallery, powerful functions
 - Isolated power supply module,with lightning surge protection
 - Stronger expansion capabilities
- Flexem’s plug-and-play Flink IoT module supports over 400+ industrial device protocols and can connect with most industrial equipment.
 - Ethernet module for FE9000 series IoT HMI
 - Plug and play
 - Versatile connectivity: Ethernet, 4G, or Wi-Fi

UL Models	FE9070H-UL	FE9100M-UL	-	-	FE9156M-UL
Standard Models	FE9070H	FE9100M	FE9121M	FE9150M	FE9156M
Display	7" 16:9 LCD TFT	10.1" 16:9 LCD TFT	12.1" 4:3 LCD TFT	15.0" 16:9 LCD TFT	15.6" 16:9 LCD TFT
LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°	85°/85°/85°/85°	80°/80°/80°/80°	80°/80°/80°/80°	85°/85°/85°/85°
Resolution	1024X600	1024X600	1024X768	1024X768	1920X1080
Colors	16-bit				
Brightness	350 cd/m²	400 cd/m²	350 cd/m²	400 cd/m²	250 cd/m²
LCD Lifetime	50000 hours				
Touch Panel	4-wire resistive touch screen				
CPU	4-core 1.2G Cortex-A53				
RAM	1GB DDR3				
Flash	8GB Flash				
RTC	Built-in				
Ethernet port	1*10M/100Mself-adap-tive	2*10M/100Mself-adap-tive	1*10M/100Mself-adap-tive	1*10M/100Mself-adap-tive	2*10M/100Mself-adap-tive
USB Port	1*USB slave 2.0 port;1*USB host 2.0 port				
Download Method	USB Slave Port / USB drive / Ethernet port				
Serial port	COM1: RS232/RS485/RS422 COM2: RS485 COM3: RS232		COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232 COM4:RS232		COM1: RS232/RS485/ RS422 COM2: RS485 COM3: RS232
Rated power	<10W	<10W	<15W	<15W	<18W
Input Voltage	DC24V, Working range DC 9V~28V		DC24V, Working range DC 18V~28V		
Power supply protection	With lightning surge protection		Isolated power adapter with lightning surge protection		
Power Interruption Tolerance	< 5ms				
Certification	-UL models: CE, RoHS,UL Standard models:CE, RoHS				
Operating Temperature	0~50℃	-10~60℃	-10~60℃	-10~60℃	0~50℃
Storage Temperature	-20~60℃	-20~70℃	-20~70℃	-20~70℃	-20~60℃
UV Resistance	Operating in high UV environment is prohibited				
Environmental Humidity	10~90%RH (Non-condensing)				
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)				
Cooling Mode	Natural Cooling				
Protection Level	Front: IP65; Rear: IP20				
Enclosure Material	Engineering plastic	Aluminum alloy housing	Aluminum alloy+galvanized sheet powder spraying		Aluminum alloy housing
Cutout Size	192×138mm	260×202mm	291×219mm	360×272mm	380×245mm
Dimensions	204×145×33.8mm	274×214×39mm	310×240×48.5mm	394×297×48.3mm	394×256mm×36mm
Weight	About 560g	About 1,450g	About 2,710g	About 4,300g	About 2,250g

FLink IoT MODULE

Flexem’s plug-and-play Flink IoT module supports over 400+ industrial device protocols and can connect with most industrial equipment.





- Ethernet module for FE6000 series IoT HMI
- Plug and play
- Versatile connectivity: Ethernet, 4G, or Wi-Fi

FEATURES	FLink	FLink-4G-G	FLink-4G-A	FLink-WiFi-A
Network Access	Ethernet	Ethernet ;4G		Ethernet ;WiFi
Network Frequency Band	/	LTE-FDD: B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/B13/ B18/ B19/ B20/B25/ B26/B28 LTE-TDD:B38/ B39/ B40/B41 WCDMA: B1 B2/B4/B5/B6B8/B19 GSM: 850 /900/1800V1900MHz	LTE-FDD: B1/ 3/ 5/ 8 LTE-TDD: B34/ 38/ 39/ 40/ 41	IEEE802.11b/g/n compatible WLAN IEEE 802.11e QoS Enhancement (WMM)
Antenna	/	FEA-YT		FEA-WiFi
Applicable HMI Models	FE9070H-UL FE9100M-UL FE9121M FEF150M FE9156M-UL	9000 series HMI		
Data Monitoring	Available			
Data Recording	Available			
Normal Passthrough	Available			
VPN Transparent Transmission	/	Available		
Edge Computing	Available			
API Interface	Available			
Management and Maintenance	Support import, export, and remote update of configuration files			
Data Monitoring	300 points	300 points	300 points	300 points
Alarm Notification	100 points	100 points	100 points	100 points
Historical Data	30 points	30 points	30 points	30 points
Historical Data Storage Duration	90 Days	180 Days	180 Days	90 Days
Enclosure Material	Engineering plastic			
Dimensions	67.9×74.2×19.5mm			
Weight	About 42g	About 55g		About 50g

FE3300 SERIES- ECONOMIC RESISTIVE HMI

Flexem’s reliable FE3300 series high resolution, high brightness economic resistive industrial HMI combines stylish design with practical features such as downward socket placement.



- 3 serial ports, more powerful expansion capability
- 1 USB port supports data storage and download
- FStudio configuration software with extensive graphic library and powerful features
- High reliability
- Light weight
- High resolution
- Engineering plastic

FEATURES	FE3343H	FE3370C	FE3370CE	FE3370W	FE3370WE
Display	4.3" 16:9 TFT LCD	7" 16:9 TFT LCD		7" 16:9 TFT LCD	
"LCD Viewing Angles (T/B/L/R)"	80°/80°/80°/80°	50°/70°/70°/70°		50°/70°/70°/70°	
Resolution	800 × 480	800 × 480	800 × 480	1024x600	
Colors	16-bit	16-bit	16-bit	24-bit	
Brightness	250 cd/m²	250 cd/m²		250 cd/m²	
Touch Panel	4-wire industrial resistive touch screen				
CPU	1 GHz, 2-core Cortex - A7				
RAM	128 MB DDR3	128 MB DDR3		128 MB DDR3	
Flash	128 MB Flash	128 MB Flash		128 MB Flash	
RTC	Built-in				
Ethernet Port	/	/	1*10M/100Mself-adap-tive	/	1*10M/100Mself-adap-tive
SD card compatibility	/				
USB Port	1* Type-C 2.0, OTG port	1* Type-C 2.0 OTG port; 1*USB Type-A 2.0 port			
Program Download Method	USB slave / Flash drive				
Serial Port	COM1: RS232/RS485/RS422 COM3: RS232	COM1: RS232/RS485/RS422 COM2:RS485 COM3: RS232			
Rated Power	< 5 W	< 5 W			
Rated Voltage	DC 24 V, Working range: DC 9 V~28 V				
Power Protection	Lightning surge protection				
Power Interruption Tolerance	< 5 ms				
Certification	CE, RoHS				
Operating Temperature	0~50 °C				
Storage Temperature	-20~60 °C				
UV Resistance	Operating in high UV environment is prohibited				
Environmental Humidity	10~90% RH (Non-condensing)				
Vibration Endurance	10~25 Hz (X,Y,Z direction, 2 G/30 min)				
Protection Level	Front: IP65 (NEMA panel), Rear: IP20				
Enclosure Material	Engineering plastic				
Cutout Size	190 × 136 mm	190 × 136 mm			
Dimensions	204 × 145 × 34 mm(±0.5mm)	204 × 145 × 34 mm(±0.5mm)			
Weight	About 476 g	About 476 g			

F1 SERIES

CAPACITIVE HMI

Flexem industrial touch screen F1 series HMI, with innovative structure design, with 7-inch interface hole size,to provide 10.1 inch wide screen narrow frame new view experience, with beautiful outlook and compact size, it is suitable for many small and medium devices application. Magnetic front panel and fixed frame design brings convenience for the installation.



F110C/F110C-WiFi

- High-definition, high-brightness full-view display
 - Industrial isolated power supply and spray coating treatment
 - Quick and easy installation
 - 800X1280 resolution
 - 1 Ethernet port
- 24-bit colors,
 - Dust-proof
 - Oil-resistant
 - Heat-resistant
 - Moisture-proof
 - Good light transmittance

FEATURES	F110	F110C	F110C-WiFi	F110V
Display	10.1" 16:10 TFT LCD			
LCD Viewing Angles (T/B/L/R)"	85°/85°/85°/85°			
Resolution	800X1280			
Colors	24-bit			
Brightness	400 cd/m²			
Touch Panel	Glass+Glass Projection multi-point capacitive touch pane			
CPU	1 GHz, 2-core Cortex - A7			1.2GHz ARM Cortex-A7
RAM	256MB DDR3			256MB DDR3
Flash	256MB Flash			4GB eMMC
RTC	Built in			
Ethernet Port	1*10 M/100 M			
SD card compatibility	/	/	/	/
Bluetooth	Available	/	/	/
Horn	Speaker+ Buzzer	Buzzer	Buzzer	Speaker
USB Port	1*Type-C 2.0 port, 1*Type-A 2.0 port			
Program Download Method	USB Slave Port / USB drive / Ethernet port			
Serial Port	COM1: RS232/RS485/RS422; COM2/COM4: RS485; COM3: RS232			
Internet service	Ethernet, 4G	Ethernet	Ethernet, WiFi	Ethernet, 4G
Network Frequency band	4G: LTE-FDD:B1/ B3/ B5/ B8 LTE-TDD:B34/ B38/ B39/ B40/ B41	/	WiFi: IEEE 802.11b/g/n compatible WLAN IEEE 802.11e QoS Enhancement (WMM)	4G: LTE-FDD:B1/ B3/ B5/ B8 LTE-TDD:B34/ B38/ B39/ B40/ B41
Antenna	FEA-YT antennas, need to be purchased separately	/	FEA-WiFi antennas, need to be purchased separately	FEA-YT antennas, need to be purchased separately
Management and Maintenance	Supports remote firmware upgrading, import and export configuration files			
Rated Power	< 10 W			
Input Voltage	DC 24 V, working range DC 9 V~28 V			
Power Protection	Lightning surge protection			
Power Interruption Tolerance	< 5 mS			
Certification	CE, RoHS			
Operating Temperature	-10~60 °C			
Storage Temperature	-20~70 °C			
UV Resistance	Operating in high UV environment is prohibited			
Environmental Humidity	10~90% RH (Non-condensing)			
Vibration Endurance	10~25 Hz (X, Y, Z direction 2G/30 minutes)			
Installation Method	Magnetic Installation, Screw Fixing	Screw Fixing	Screw Fixing	Magnetic Installation, Screw Fixing
Protection Level	Front IP60 (with NEMA panel), Rear: IP20			
Enclosure Material	Aluminum front panel+ABS back cover			
Cutout Size	138 × 192 mm			
Dimensions	158 x 249 x 31mm			
Weight	About 900g			

F0 SERIES

CAPACITIVE HMI

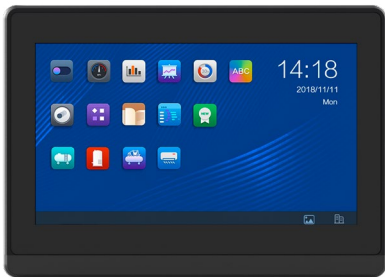
Flexem's robust F0 series features a multi-touch, scratch-resistant capacitive touchscreen with high sensitivity. With its high-performance CPU, powerful features and high-capacity storage, the HMI supports multiple gestures and provides a sleek, smooth touch-and-control solution that can be used in harsh environments.



F010



F007N



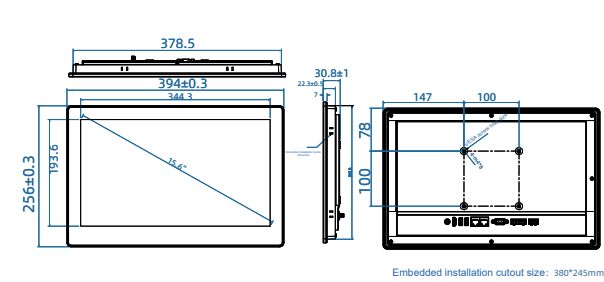
F007N-BL



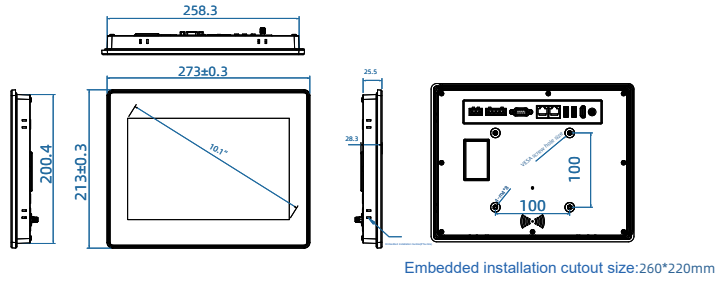
- High-definition, high-brightness full-view display
- Industrial isolated power supply and spray coating treatment
- Quick and easy installation
- Dust-proof
- Oil-resistant
- Heat-resistant
- Moisture-proof
- Good light transmittance

UL Models	F007N-UL	-	-
Pure Black Frame	-	F007N-BL	
Standard Models	F007N	F007N	F010
Display	7" 16:9 TFT LCD		9.7" 4:3 TFT LCD
LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°		85°/85°/85°/85°
Resolution	1024 × 600		1024 × 768
Colors	24-bit		16-bit
Brightness	350 cd/m²		350 cd/m²
Touch Panel	Glass+Glass projective multi-touch capacitive HMI		
CPU	600MHz ARM Cortex-A8	600MHz ARM Cortex-A8	600MHz ARM Cortex-A8
RAM	128MB DDR3	256MB DDR3	256MB DDR3
Flash	128MB Flash	256MB Flash	256MB Flash
Ethernet Port	1*10 M/100 M		
Bluetooth	/		
SD card	Available		
USB Port	1*Type-C 2.0 port, 1*Type-A 2.0 port		
Program Download Method	USB Slave Port / USB drive / Ethernet port		
Serial Port	COM1: RS232/RS485/RS422 COM2/COM4: RS485 COM3: RS232		
Rated Power	< 6W		< 8 W
Input Voltage	DC 24 V, working range DC 9 V~28 V		
Power Protection	Lightning surge protection		
Power Interruption Tolerance	< 5 ms		< 3 ms
Certification	-UL models: CE, RoHS,UL Standard models:CE, RoHS		
Operating Temperature	-10~60 °C		
Storage Temperature	-20~70 °C		
UV Resistance	Operating in high UV environment is prohibited		
Environmental Humidity	10~90% RH (Non-condensing)		
Vibration Endurance	10~25 Hz (X, Y, Z direction 2G/30 minutes)		
Protection Level	Front IP65 (with NEMA panel), Rear: IP20		
Enclosure Material	Aluminum alloy + Engineering plastic		
Cutout Size	178 × 125 mm		230 × 180 mm
Dimensions	185.1 × 130.9 × 32.6 mm		247 × 197 × 31.5 mm
Weight	About 500 g		About 1,150 g

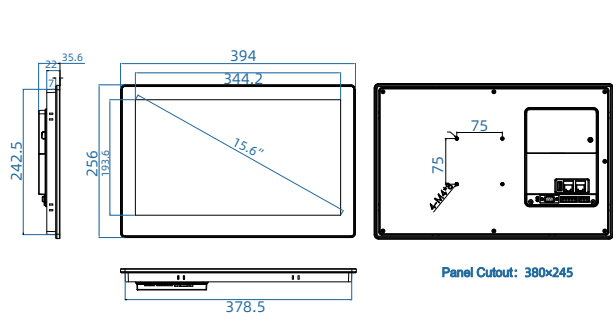
FPAD716/ FPAD716X



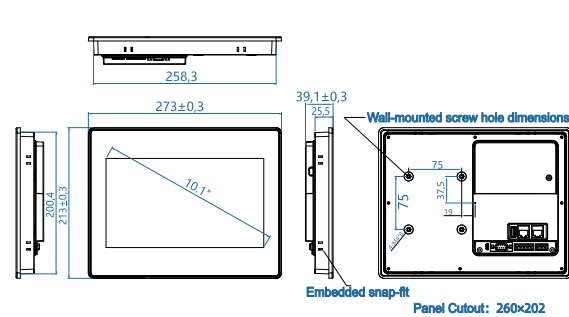
FPAD710/FPAD710X



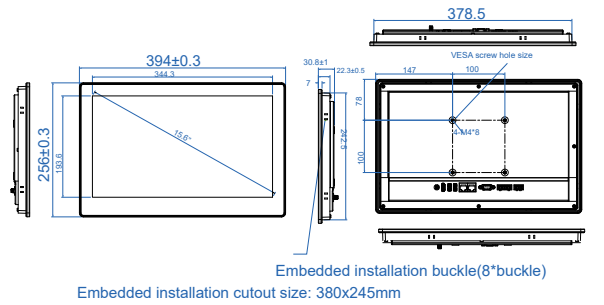
FE9156M-UL



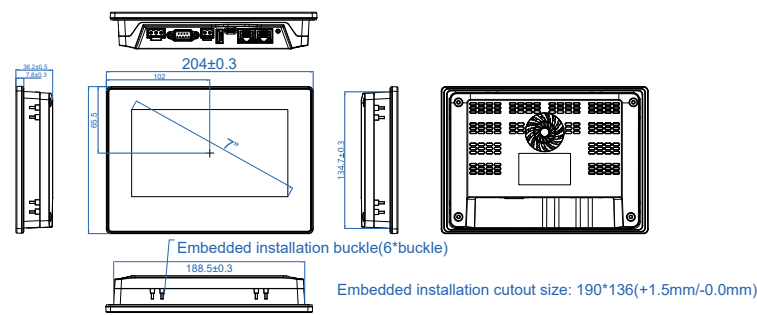
FE9100M



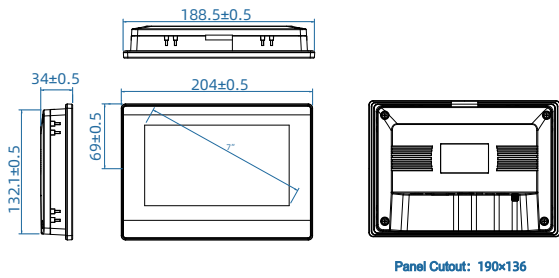
FPAD712/FPAD712X



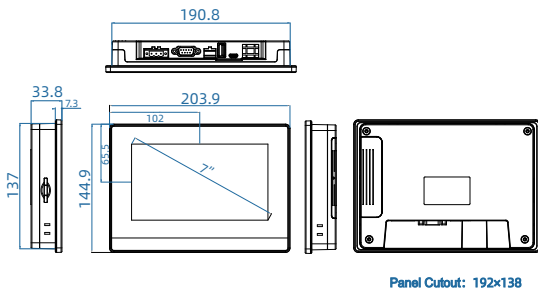
FPAD507W



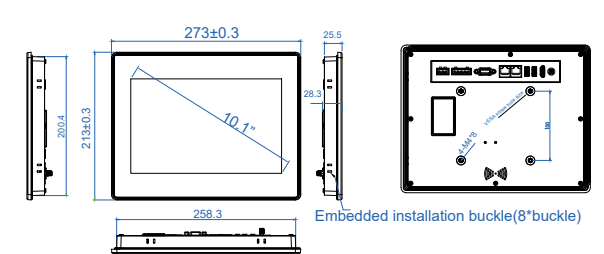
FE7070C-UL/W-UL/WE-UL



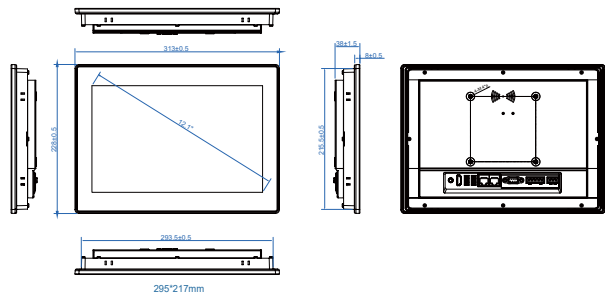
FE9070H-UL



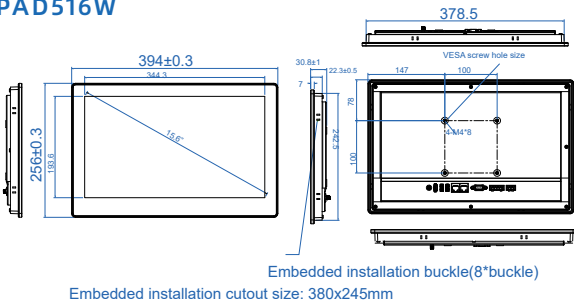
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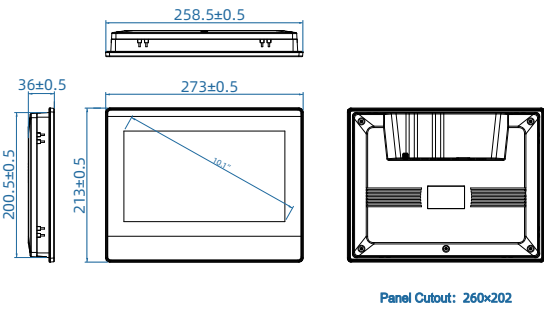
FPAD512W



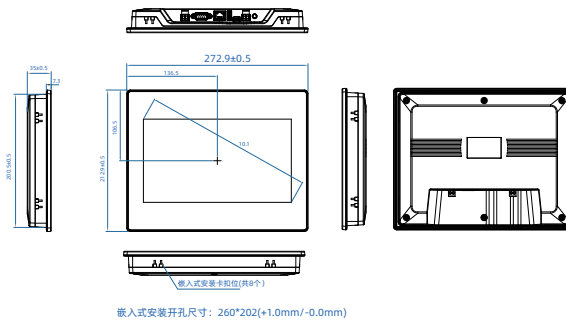
FPAD516W



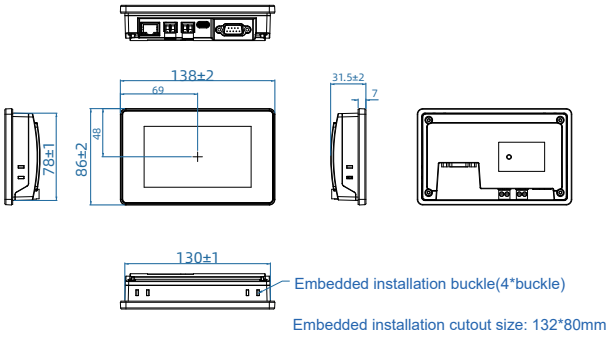
FE7100W-UL/FE7100WE-UL



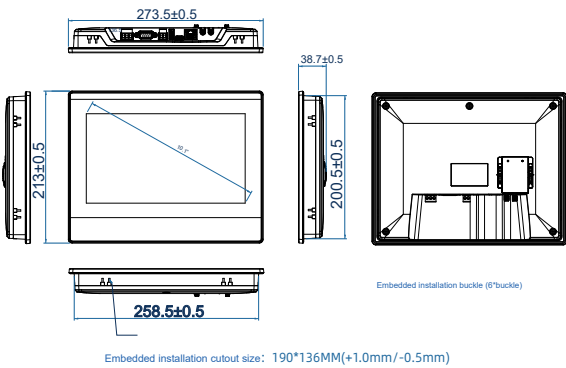
FE7100W/WE



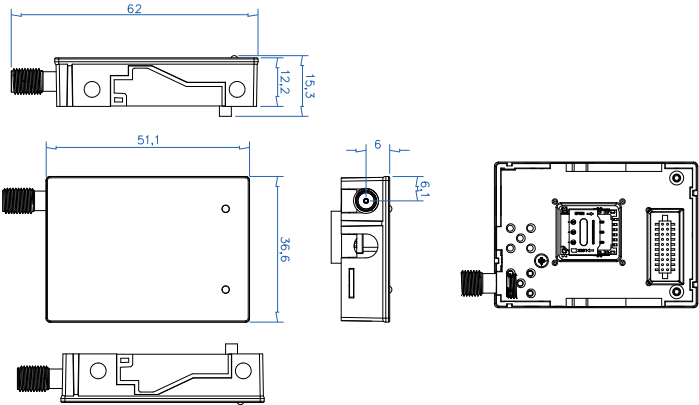
FE7043WE



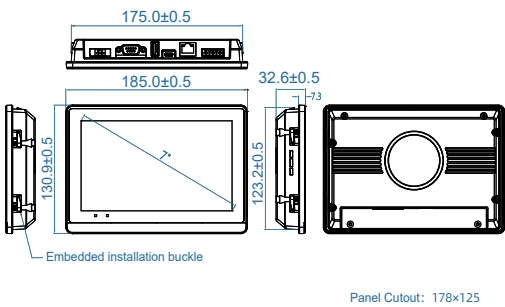
FE6400WE-UL



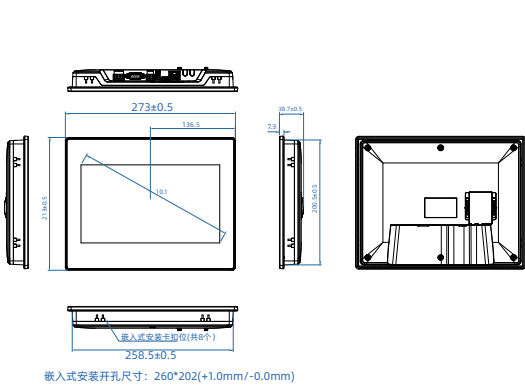
FLINK2-WIFI



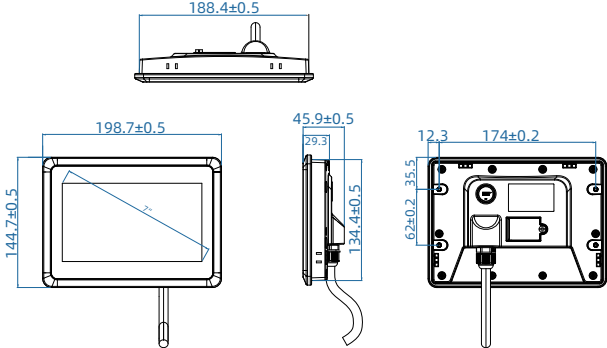
F007N-UL/F007N-BL



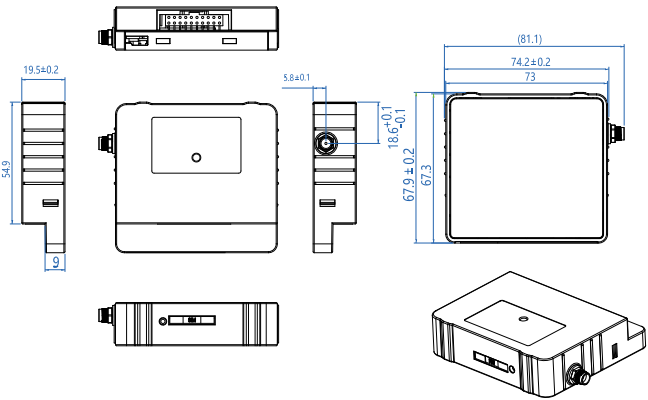
FE6400WE



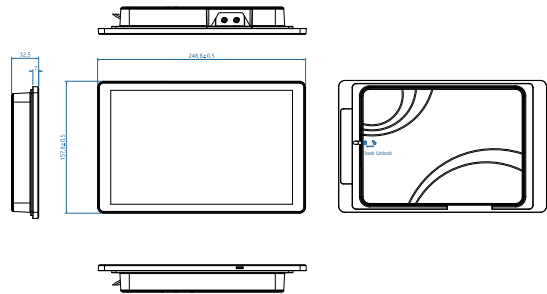
FE7070IP



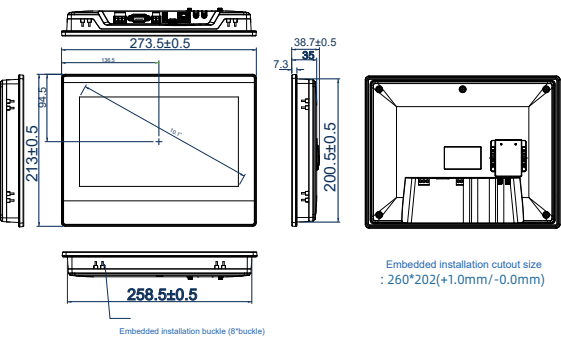
FLINK



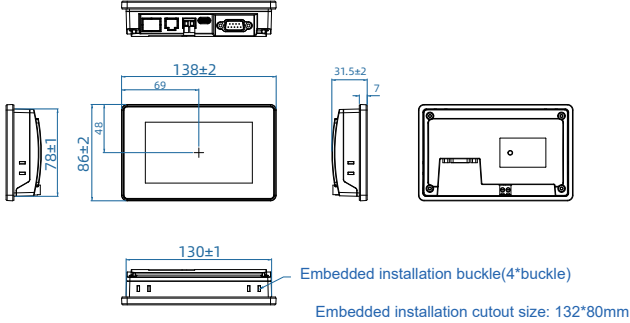
F110/F110C/F110C-WIFI/F110V



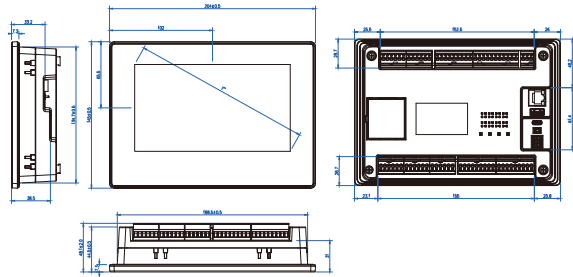
FE6370C/ FE6370CE/ FE6370W/
FE6370WE-UL/FE6380X/FE6380WE



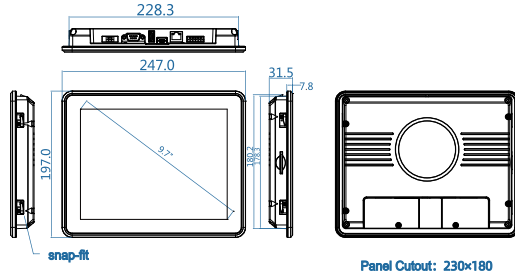
FE3343H/FE7043WE



FE7070WE-32MR/FE7070WE-32MRP



F010





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