

FLEXEM——IIoT HMI FE6000 Series

Module: FE6100W

Overview

Flexem Industrial HMI 6000 Series, a new generation of IIoT human-machine interface. It is high-qu ality and cost-effective touch screen, industrial ABS plastic shell, low cost, high reliability. The main -board is treated with a special coating (three anti-paint) to adapt to harsh environments. The new model opens with a more practical down-line approach, and the re-designed front face has a better looking look, and higher resolution model is available.

By selecting the FLink IIoT module, you can upgrade the IIoT human-machine interface immediatel y and uses complete and convenient industrial IIoT cloud platform service.

Appearance





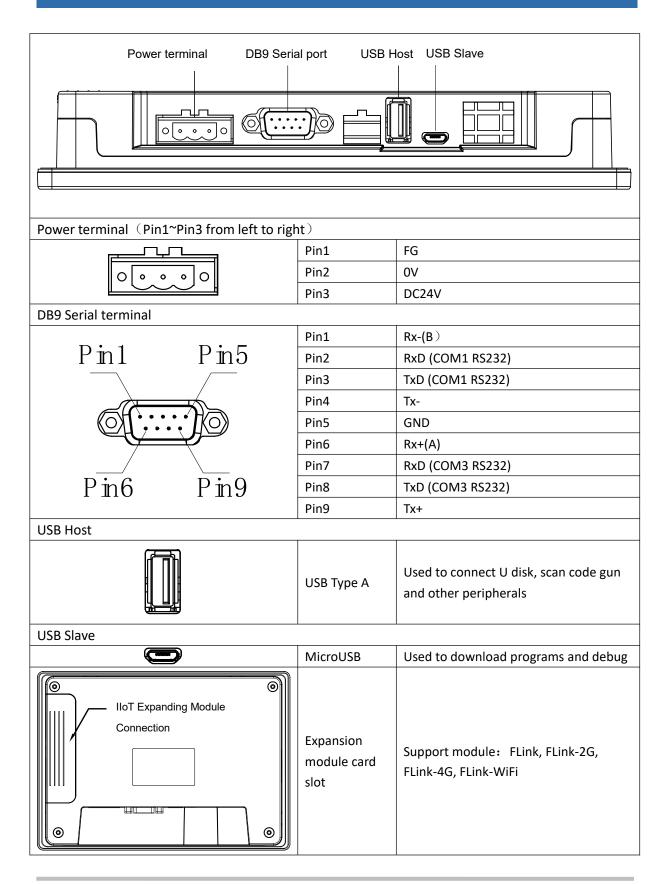


Product specifications

Display10.1" 16:9 TFT LCDResolution(WxH)1024 × 600Colors24-bitBrightness400 cd/m²BacklightLEDLCD Life50000 hoursTouch Panel4 wires resistive touch screen(Surface hardness 4H)CPU600MHz ARM Cortex-A8Memory128M Flash + 128M DDR3RTCBuilt inEthernetNoneUSB PortUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectCOM1:RS232/RS485/RS422, COM3:RS232Coling Resolution<10WReted voltage0 Cott4/working range DC 9V~28VPower Consumption<10WReted voltage0~50°CEthorSorage TemperatureSorage Temperature:20°G0°CSorage Temperatur				
Colors24-bitBrightness400 cd/m²BacklightLEDLCD Life50000 hoursTouch Panel4 wires resistive touch screen(Surface hardness 4H)CPU600MHz ARM Cortex-A8Memory128M Flash + 128M DDR3RTCBuilt inEthernetNoneUSB PortUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectUSB Slave/U-diskCOM PortCOM1:RS232/RS485/RS422, COM3:RS232LCD viewing angle (T/B/L/R)85/85/85'RTed voltageDC24V,working range DC 9V~28VPower Consumption< 10W		Display	10.1" 16:9 TFT LCD	
Brightness400 cd/m²BacklightLEDLCD Life50000 hoursTouch Panel4 wires resistive touch screen(Surface hardness 4H)CPU600MHz ARM Cortex-A8Memory128M Flash + 128M DDR3RTCBuilt inEthernetNoneUSB PortUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectUSB Slave/U-diskCOM PortCOM1:R5232/R5485/R5422, COM3:R5232LCD viewing angle (T/B/L/R)85/85/85'Power Consumption<10W		Resolution(WxH)	1024×600	
BacklightLEDBacklightLEDLCD Life50000 hoursTouch Panel4 wires resistive touch screen(Surface hardness 4H)CPU600MHz ARM Cortex-A8Memory128M Flash + 128M DDR3RTCBuilt inEthernetNoneUSB PortUSB Slave 2.0 port*1, USB Host 2.0 port*1Download ProjectUSB Slave/U-diskCOM PortCOM St Slave/U-diskCOM PortCOM3:RS232LCD viewing angle (T/B/L/R)85/85/85/85/85/85/85/85/85/85/85/85/85/8		Colors	24-bit	
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Hardware parameterTouch Panel4 wires resistive touch screen(Surface hardness 4H)CPU600MHz ARM Cortex-A8Memory128M Flash + 128M DDR3RTCBuilt inEthernetNoneUSB PortUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectUSB Slave 2.0 port*1,USB Host 2.0 port*1COM PortCOM1:RS232/RS485/RS422, COM3:RS232CDM PortCOM1:RS232/RS485/RS422, COM3:RS232LCD viewing angle (T/B/L/R)85/RS5/RS5'Power Consumption< 10W		Backlight	LED	
Hardware parameterCPU600MHz ARM Cortex-A8Memory128M Flash + 128M DDR3RTCBuilt inEthernetNoneUSB PortUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectUSB Slave/U-diskCOM PortCOM1:RS232/RS485/RS422, COM3:RS232LCD viewing angle (T/B/L/R)85/85/85/85'Power Consumption< 10W		LCD Life	50000 hours	
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RTCBuilt inEthernetNoneUSB PortUSB Slave 2.0 port*1,USB Host 2.0 port*1Download ProjectUSB Slave/U-diskDownload ProjectUSB Slave/U-diskCOM PortCOM1:RS232/RS485/RS422, COM3:RS232LCD viewing angle (T/B/L/R)85/85/85'Rated voltageDC24V,working range DC 9V~28VPower Consumption< 10W		Memory	128M Flash + 128M DDR3	
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COM PortCOM3:RS232LCD viewing angle (T/B/L/R)857/857/857Power Consumption<10W		Download Project	USB Slave/U-disk	
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(T/B/L/R)Power Consumption< 10W		LCD viewing angle	851/851/851	
Rated voltageDC24V,working range DC 9V~28VPower ProtectionProtected from thunderstrike and surgingSpecificationsPower Down AllowedCE & RoHSComplied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KVOperating Temperature0~50°CStorage Temperature-20~60°CAnti-UVNot suitable to work in strong ultraviolet light (such as direct sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,X/z direction 2G/30 minutes)CoolingNatural air coolingMechanical IndexDegree of ProtectionFront IP65(with NEMA panel),Back IP20Panel Cutout260mm*202mmDimension273mm*213mm*36mm		(T/B/L/R)	68/68/69/60	
Electrical SpecificationsPower ProtectionProtected from thunderstrike and surgingPower Down Allowed< 5mS		Power Consumption	< 10W	
Electrical Power Down Allowed < 5mS		Rated voltage	DC24V,working range DC 9V~28V	
SpecificationsPower Down Allowed< 5mS $Bereine and an analysisComplied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KVPower Down AllowedComplied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KVPower Down AllowedOperatingImperatureOperatingStorage Temperature-20~60°CStorage Temperature-20~60°CAnti-UVNot suitable to work in strong ultraviolet light (such as direct sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingMechanicalIndexPogree of ProtectionFinclosureABS+PCPanel Cutout260mm*202mmDimension273mm*213mm*36mm$	Electrical	Power Protection	Protected from thunderstrike and surging	
CE & ROHSRoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KVOperating Temperature0~50°CStorage Temperature-20~60°CAnti-UVNot suitable to work in strong ultraviolet light (such as direct sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingMechanical IndexEnclosureABS+PCPanel Cutout260mm*202mmDimension273mm*36mm	Specifications	Power Down Allowed	< 5mS	
RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KVOperating Temperature0~50°CStorage Temperature-20~60°CAnti-UVNot suitable to work in strong ultraviolet light (such as direct sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingMechanical IndexEnclosureAmel Cutout260mm*202mmDimension273mm*213mm*36mm			Complied with EN61000-6-2:2005, EN61000-6-4:2007,	
Image: Environmental SpecificationsTemperature0~50 °CStorage Temperature-20~60 °CAnti-UVNot suitable to work in strong ultraviolet light (such as direct sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingDegree of ProtectionFront IP65(with NEMA panel),Back IP20EnclosureABS+PCPanel Cutout260mm*202mmDimension273mm*213mm*36mm			RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KV	
TemperatureTemperatureStorage Temperature-20~60°CAnti-UVNot suitable to work in strong ultraviolet light (such as direct sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingDegree of ProtectionFront IP65(with NEMA panel),Back IP20EnclosureABS+PCPanel Cutout260mm*202mmDimension273mm*213mm*36mm		Operating	0~50° ℃	
Environmental SpecificationsAnti-UVNot suitable to work in strong ultraviolet light (such as direct sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingDegree of ProtectionFront IP65(with NEMA panel),Back IP20EnclosureABS+PCPanel Cutout260mm*202mmDimension273mm*213mm*36mm		Temperature		
SpecificationsAnti-UVdirect sunlight)Operating Humidity10~90%RH (no condensate)Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingDegree of ProtectionFront IP65(with NEMA panel),Back IP20EnclosureABS+PCPanel Cutout260mm*202mmDimension273mm*213mm*36mm		Storage Temperature	-20~60℃	
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Vibration Endurance10~25Hz (X,Y,Z direction 2G/30 minutes)CoolingNatural air coolingDegree of ProtectionFront IP65(with NEMA panel),Back IP20EnclosureABS+PCPanel Cutout260mm*202mmDimension273mm*213mm*36mm			direct sunlight)	
CoolingNatural air coolingDegree of ProtectionFront IP65(with NEMA panel),Back IP20EnclosureABS+PCPanel Cutout260mm*202mmDimension273mm*213mm*36mm		Operating Humidity	10~90%RH (no condensate)	
Degree of Protection Front IP65(with NEMA panel),Back IP20 Mechanical Enclosure ABS+PC Panel Cutout 260mm*202mm Dimension 273mm*213mm*36mm		Vibration Endurance	10~25Hz(X,Y,Z direction 2G/30 minutes)	
Mechanical Index Enclosure ABS+PC Panel Cutout 260mm*202mm Dimension 273mm*213mm*36mm		Cooling	Natural air cooling	
Mechanical Index Panel Cutout 260mm*202mm Dimension 273mm*213mm*36mm		Degree of Protection	Front IP65(with NEMA panel),Back IP20	
Index Panel Cutout 260mm*202mm Dimension 273mm*213mm*36mm		Enclosure	ABS+PC	
Dimension 273mm*213mm*36mm		Panel Cutout	260mm*202mm	
Weight About 890g		Dimension	273mm*213mm*36mm	
		Weight	About 890g	

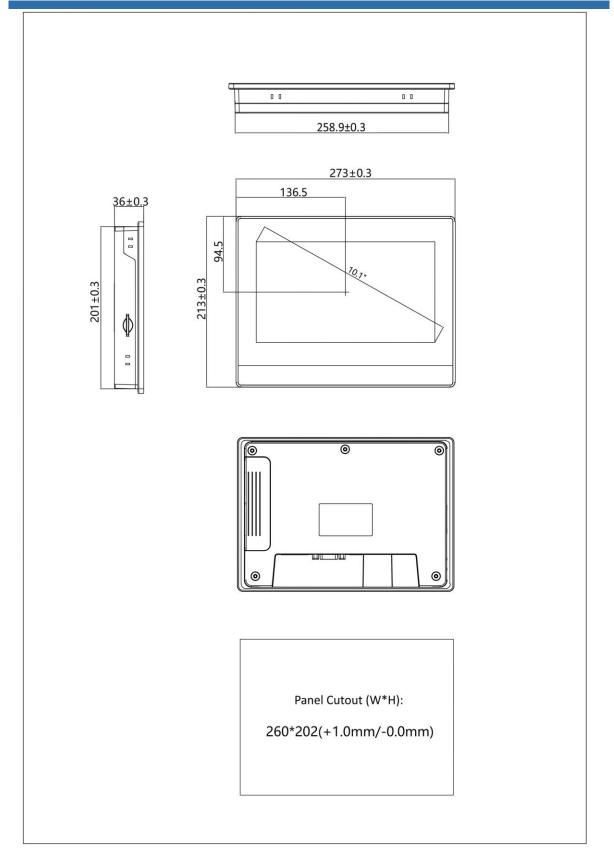


Wiring definition



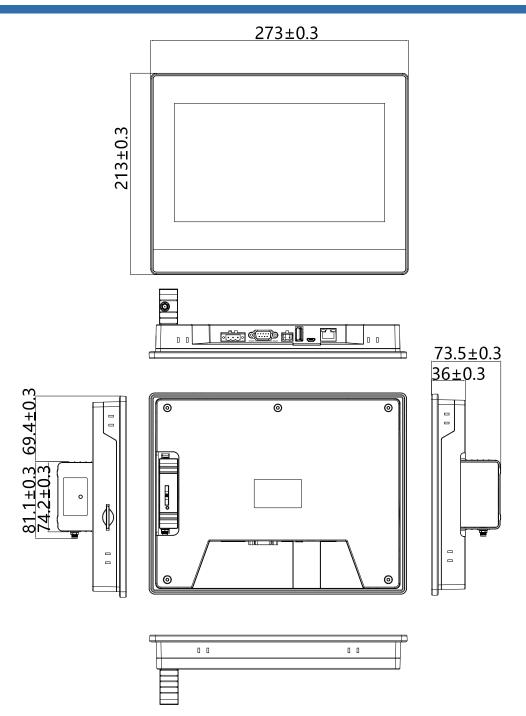


Size FE6100WE





Size FE6100W





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