SE series HMI





Features

- Based on the Linux operating system, ensuring stability, efficiency, security, and reliability
- Equipped with an industrial-grade, high-performance Cortex-A7 processor with a clock speed of up to 1GHz
- Features 128MB of Flash memory and 64MB of DDR3 RAM, with support for external USB flash drive storage
- Supports RS232 communication
- Supports configuration updates via USB download or USB flash drive
- Incorporates multiple security mechanisms for enhanced protection and reliability
- Displays 65,536 true colors
- Certified by FCC (Class A) and CE

Port Description

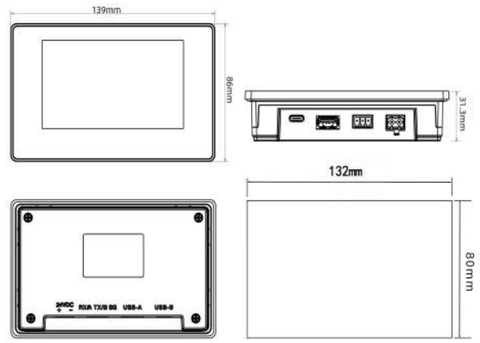


Wiring Definitions

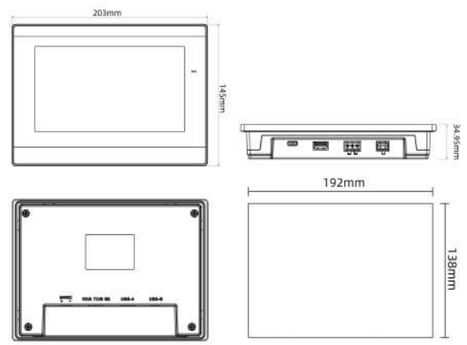
Wiring interface（COM1:232）			
	RX	TX	SG
Wiring interface（COM1:485）			
	A+	B-	
USB			
	USB download port	Connect the computer to the HMI to upload or download project files.	

Product Dimensions

① SE-043QC



② SE-070QC



Product Specifications

Model	SE-043QC-1	SE-043QC-2	SE-070QC-1	SE-070QC-2
Dimensions(mm)	139×86×31		203×145×35	
Cutout Size(mm)	132×80		192×138	
Display Size	4.3"(16:9)		7"(16:9)	
Weight(g)	205(approx.)		460(approx.)	
Operating Ambient Temperature	-20℃ ~55℃ (no freezing)			
Operating Ambient Humidity	5~95%RH (nocondensation)			
Vibration Resistance	10~25Hz (2G/30min onX/Y/Z axes)			
Housing Material	EngineeringPlastic ABS+ PC			
Power Consumption(W)	3		4	
Power Supply	DC12~24V			
ESD Level	±6kV			
Resolution(Pixels)	480×272		800×480	
Contrast Ratio	400:1			
Brightness(cd/m²)	400		450	
Touch Panel	4-WireHigh-Precision Touch Screen			
Display Colors	65K			
Backlight Module	LED			
Memory	64MB DDR3			
CPU	CortexA7 1GHzDual-Core			
Storage	128MBFLASH			
USB Download Port	Yes			
USB Host Port	Yes			
Wiring Terminal	COM1:RS232	COM1:RS485	COM1:RS232	COM1:RS485
FCC Compliance	FCCClassA			
Withstand Voltage Test	1000VAC,1min			
CE Certification	Compliant with EN55032 and EN55035			
IP Rating	IP65(Front Panel)			

① SK-070

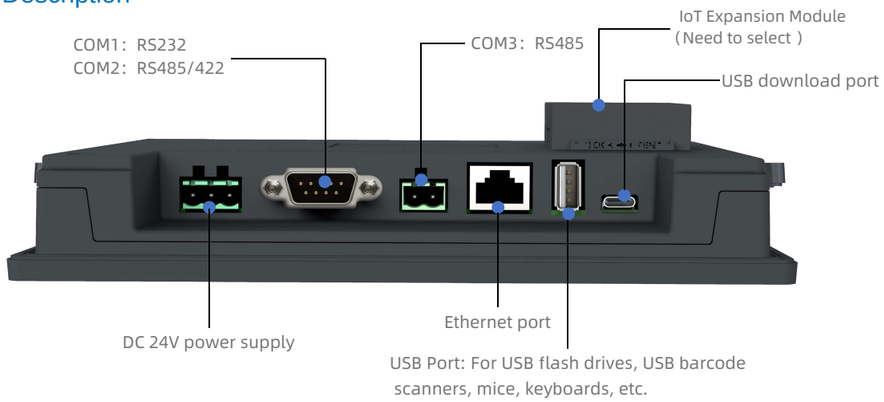




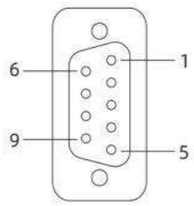
■ Features

- Based on the Linux operating system, ensuring stability, high efficiency, security, and reliability
- Equipped with an industrial-grade, high-performance Cortex-A7 processor (clock speed up to 1 GHz)
- Optional Wi-Fi/4G IoT expansion modules (flexible selection based on application requirements for added convenience)
- Supports multiple communication interfaces (RS232/422/485), USB-based configuration downloads, and configuration updates via flash drive
- Supports cloud-based configuration and VNC
- Supports OTA (Over-the-Air) updates and real-time device data debugging
- Supports base station positioning (via 4G) and map-based device distribution
- Provides real-time push notifications for alarms and early warnings
- Supports historical data querying, comparative analysis, and data export

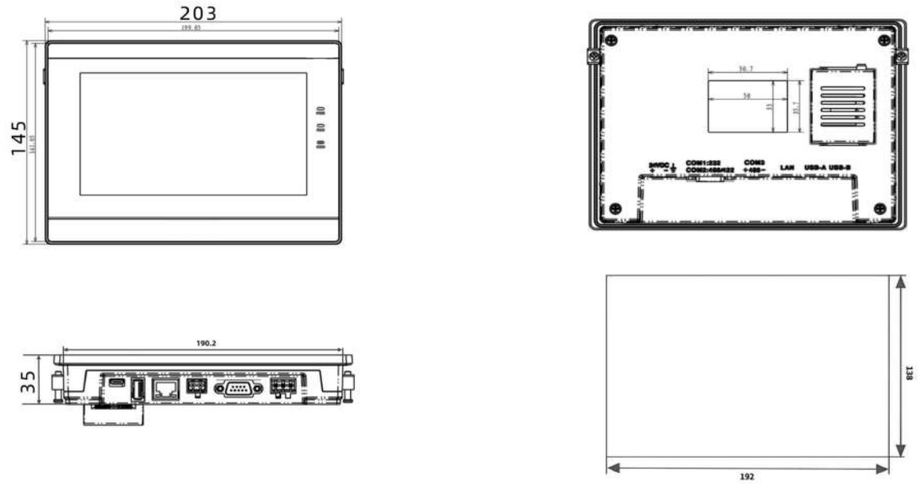
■ Port Description



■ Port Description

DB9F：Serial port terminal				
Pinout diagram for a 9-pin male communication port connector	pin	COM1:RS232	COM2:RS422	COM2:RS485
	1			
	2	RX		
	3	TX		
	4			
	5	GND		
	6		RX-	
	7		RX+	
	8		TX-	B-
	9		TX+	A+
Wiring interface (COM3:485)				
	A+		B-	
USB				
	USB Download Port	Connect the computer to the HMI to upload or download project files.		

■ Product Dimensions



■ Product Specifications

Model	SK-070QE-G	SK-070QT-G	SK-070QS-G	SK-070QH(HD Version)
Dimension (mm)	203 × 145 × 35			
Cutout Dimension (mm)	192 × 138			
Display Size	7”(16：9)			
Weight (g)	700			
Operating Ambient Temperature	-20℃ ~ 55℃ (Non-freezing)			
Operating Ambient Humidity	5~95%RH (Non-condensing)			
Vibration Resistance	10 ~ 25Hz (2G for X/Y/Z axes, 30 min)			
Housing Material	Engineering Plastic ABS+PC			
Power Consumption (W)	4			
Power Supply	DC12~24V ±15%			
ESD Level	±6kV			
Resolution (Pixel)	1024 × 600			
Contrast Ratio	400:1			
Brightness (cd/m²)	450			
Touch Panel	4-wire High-precision Touch Screen			
Display Colors	16.77M			
Backlight Module	LED			
Memory	128MB DDR3			
CPU	Dual-core Cortex A7 @1GHz			
Storage	128MB FLASH			
Ethernet Port	NONE		YES	NONE
WIFI	Optional			
4G	Optional			
USB Download Port	YES			
USB Host	YES			
Serial Interface	COM1: RS232; COM2: RS485/422	COM1: RS232; COM2: RS485/422; COM3: RS485		
CAN Interface	NONE			
FCC Compliance	Compliant with FCC, Class A			
Withstand Voltage Test	1000V AC, 1 minute			
CE Certification	Compliant with EN50532 and EN55035			
Protection Grade	IP65 (Front Panel)			

② SK-102





③ SK-156



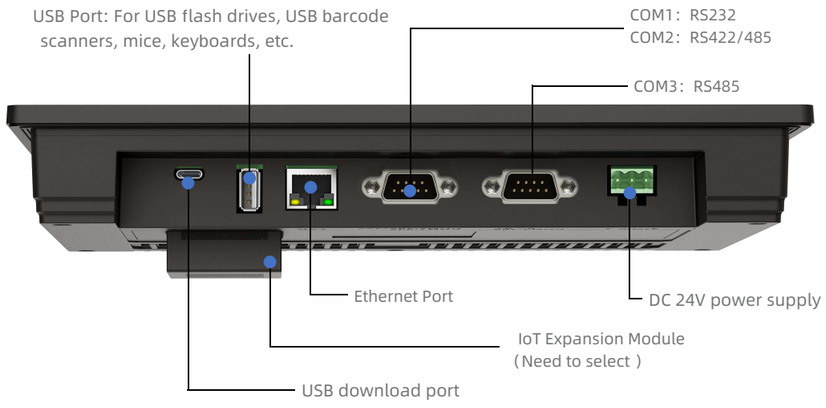


■ Features

- Based on the Linux operating system, ensuring stability, high efficiency, security, and reliability
- Equipped with an industrial-grade, high-performance Cortex-A7 processor (clock speed up to 1 GHz)
- Optional Wi-Fi/4G IoT expansion modules (flexible selection based on application requirements for added convenience)
- Supports multiple communication interfaces (RS232/422/485), USB-based configuration downloads, and configuration updates via flash drive
- Supports cloud-based configuration and VNC
- Supports OTA (Over-the-Air) updates and real-time device data debugging
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- Provides real-time push notifications for alarms and early warnings
- Supports historical data querying, comparative analysis, and data export

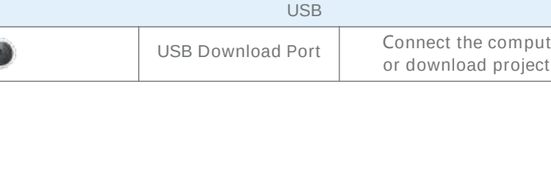
■ Port Description

② SK-102



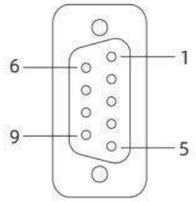
③ SK-156





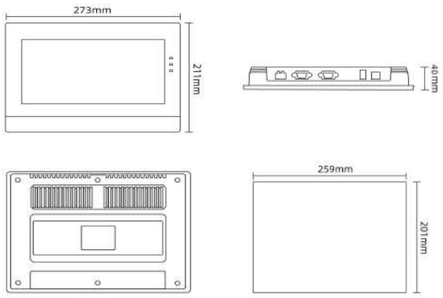
Note: The length of the M4 machine screws must meet the product installation requirements, meaning they shouldn' t exceed 8mm from the back of the touchscreen to the inside, otherwise, they could damage the touchscreen.

■ Port Description

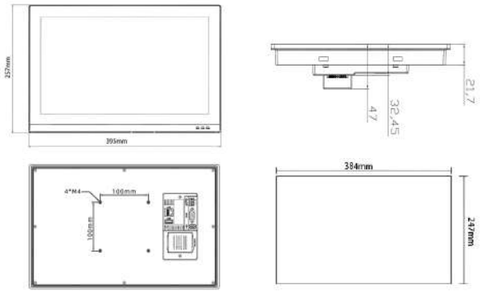
DB9F: Serial port terminal				
Pinout diagram for a 9-pin male communication port connector	pin	COM1:RS232	COM2:RS422	COM2:RS485
	1			
	2	RX		
	3	TX		
	4			
	5	GND		
	6		RX-	
	7		RX+	
	8		TX-	B-
	9		TX+	A+
Wiring interface (COM3:485)				
	A+		B-	
USB				
	USB Download Port	Connect the computer to the HMI to upload or download project files.		

Product Dimensions

① SK-102



② SK-156



Product Specifications

Model	SK-102QS-G	SK-102QS	SK-102QT	SK-156QS-G
Dimension (mm)	273×211×40			395×257×21.7
Cutout Dimension (mm)	259×201			384×247
Display Size	10.2" (16:9)			15.6" (16:9)
Weight (g)	1050			2450
Operating Ambient Temperature	-20℃~55℃ (non-freezing)			
Operating Ambient Humidity	5~95%RH (non-condensing)			
Vibration Resistance	10~25Hz (XYZ axis, 2G / 30 min)			
Housing Material	Engineering plastic ABS+PC			Aluminum alloy galvanized plate
Power Consumption (W)	7			10
Power Supply	DC12~24V ±15%			
ESD Level	±6kV			
Resolution (Pixel)	1024 × 600			1920×1080
Contrast Ratio	400:1			700:1
Brightness (cd/m²)	450			300
Touch Panel	4-wire high precision touch panel			
Display Color	16.77M colors			
Backlight Module	LED			
Memory	128MB DDR3			256MB DDR3
CPU	Cortex A7 1GHz, Dual-core			Cortex A7 1.2GHz
Storage	128MB FLASH			4G (eMMC)
Network Interface	YES		NONE	YES
WIFI	Optional	NONE		Optional
4G	Optional	NONE		Optional
USB Download Port	YES			
USB Disk Port	YES			
Serial Interface	COM1:RS232; COM2:RS485/422; COM3:RS485			
CAN Interface	NONE			
FCC Compliance	Compliant with FCC, Class A			
Withstand Voltage Test	1000VAC, 1 minute			
CE Certification	Compliant with EN55032 and EN55035			
Protection Class	IP65 (Front Panel)			

IoT Expansion Module

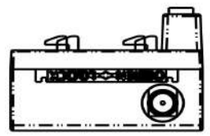
① 4G Module

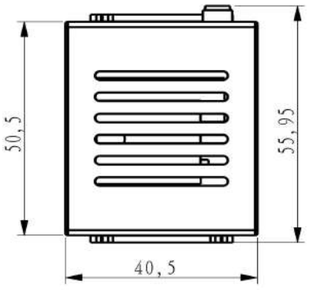


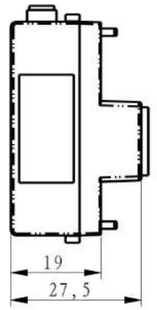
② WIFE Module



Product Dimensions







Product Specifications

Model	4G Module	WIFI Module
Dimension (mm)	40.5×55.95×27.5	40.5×55.95×27.5
Weight (g)	29	26
Operating Temperature	-20°C ~ 55°C (no freezing)	-20°C ~ 55°C (no freezing)
Operating Humidity	5~95%RH (no condensation)	5~95%RH (no condensation)
Vibration Resistance	10 ~ 25HZ (XYZ axis, 2G / 30 min)	10 ~ 25HZ (XYZ axis, 2G / 30 min)
Housing Material	Engineering plastic ABS+PC	Engineering plastic ABS+PC
Network Access Mode	4G (China Mobile, China Unicom, China Telecom)	WIFI
Network Frequency Band	LTE-TDD: B34/B38/B39/B40/B41LTE-FDD: B1/B3/B5/B8Optional GSM: GSM900/DCS1800	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Reconnection after Disconnection	Supported	Supported
Offline Data Caching & Upload	Supported	Supported
API Interface	Supported	Supported
VNC Function	Supported	Supported
Data Monitoring	Support up to 280 data points	Support up to 280 data points
Historical Data	Support up to 20,000 records	Support up to 20,000 records
Alarm Push	Support client push & WeChat official account push	Support client push & WeChat official account push

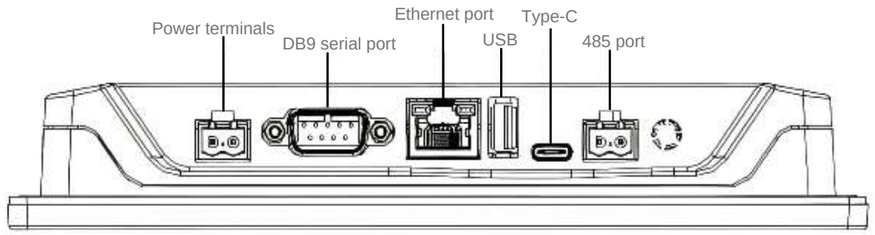




Features

- This upgraded HMI product delivers outstanding cost performance for industrial human-machine interaction applications.
- It is equipped with an industrial-grade ABS plastic shell, which achieves high operational reliability while keeping product costs under control.
- It adopts a newly optimized rear cover structure design to further improve the performance of the touchscreen.
- Multiple models with different screen resolutions are provided to satisfy the requirements of a wide range of industrial application scenarios.

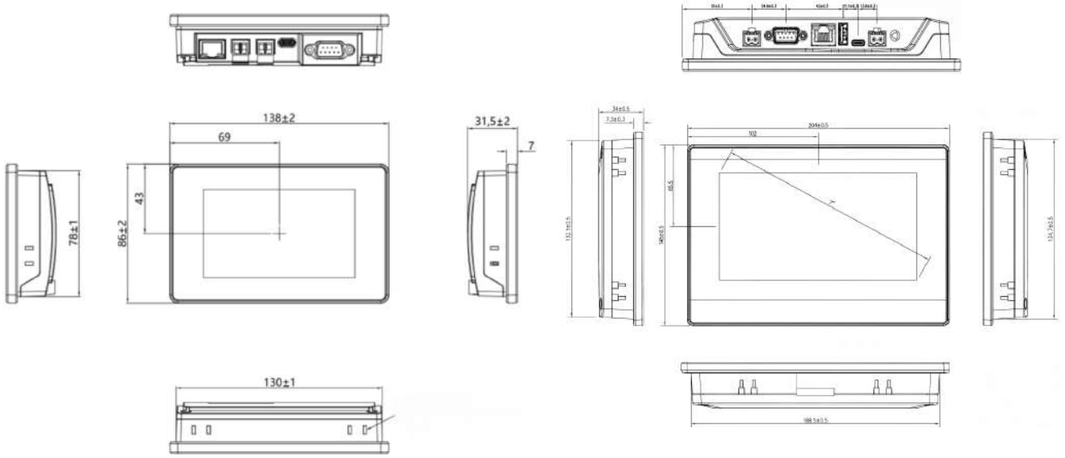
Port Description



Taking the 7070WE model as an example

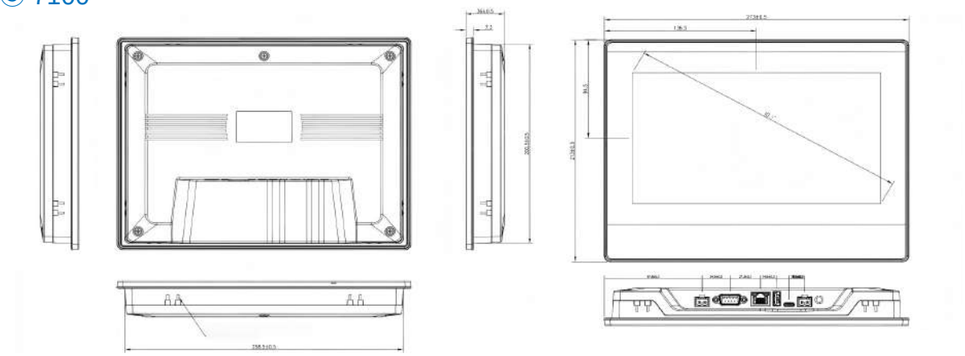
Product Dimensions

① 7043



② 7070

③ 7100



Product Specifications

Model	7043WE-B	7070W-B	7070WE-B	7100WE-B	7100W-B
Display	4.3” 16:9 TFT LCD	7” 16:9 TFT LCD		10.1” 16:9 TFT LCD	
Resolution	800×480	1024×600			
Colors	16-bit	24-bit			
Brightness	250cd/m²	350cd/m²		400cd/m²	
Backlight	LED				
LCD Lifetime	50000 hours				
Touch Panel	4-wire industrial resistive touch panel				
CPU	Cortex-A7(main frequency is 1GHz,dual-core)				
Storage	128MB DDR3 + 128MB Flash	128MB DDR3+4GB eMMC			
RTC	Built-in				
Ethernet	1* 10M/100M self-adaptive RJ45 port	None	1* 10M/100M self-adaptive RJ45 port		None
SD Card	None				
Bluetooth	None				
USB Port	1*USB Type-C 2.0 OTG port	1*USB Type-C 2.0 OTG port;1*USB Type-A 2.0port			
Program Download Method	USB Slave/U disk/Ethernet	USB Slave/U disk	USB Slave/U disk/Ethernet		USB Slave/U disk
Serial Port	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232				
LCD Viewing Angles(T/B/L/R)	80°/80°/80°/80°				
Rated Power	< 5W	< 10W			
Rated Voltage	DC24V, operational range: DC 9V~28V				
Power Protection	Lightning surge protection				
Power Interruption Tolerance	< 5ms				
Operating Temperature	0~50℃				
Storage Temperature	-20~60℃				
UV Resistance	Operating in high UV environment is prohibited(e.g.,in direct sunlight)				
Environmental Humidity	10%~90%RH(non-condensing)				
Vibration Endurance	10~25Hz(X/Y/Z direction,2G/30 minutes)				
Cooling Method	Natural air cooling				
Protection Level	Front:IP65(with flush panel cabinet installation),Rear:IP20				
Enclosure Material	Engineering plastic				
Cutout Dimensions	132mm×80mm	190mm×136mm		260mm×202mm	
Dimensions	138mm×86mm×32mm	204mm × 145mm × 34mm (±0.5mm)		273mm×213mm×36mm	
Weight	About 300g	About 468g	About 476g	About 920g	About 890g

6000X series Capacitive HMI

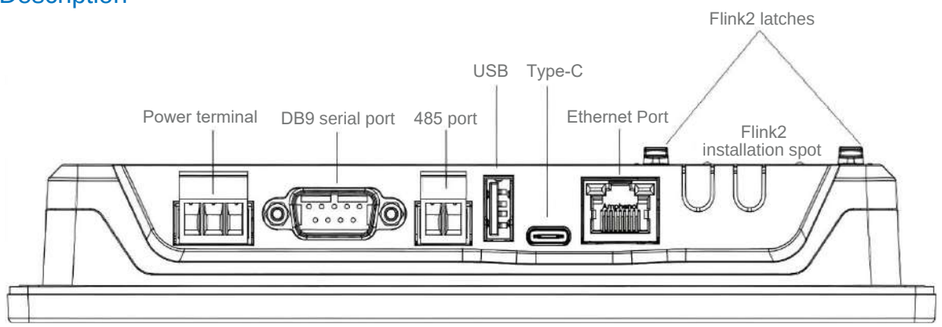




Features

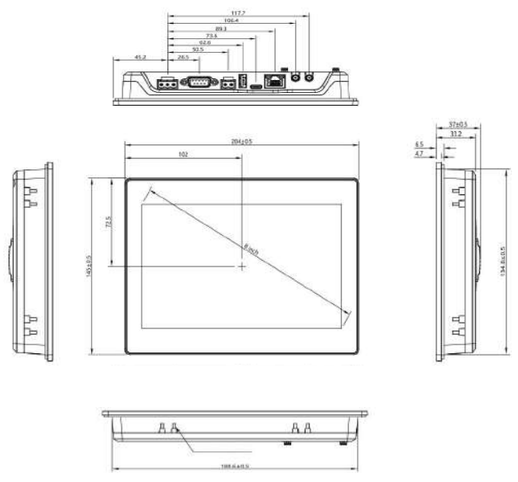
- dopts a new slim-bezel design, lifting the screen-to-body ratio from 45% to 60% for a broader view without increasing installation space.
- I/O interfaces: DB-9, Ethernet, USB and expansion port for FLink IoT module.
- Uses industrial-grade G+G projected capacitive multi-touch screen, supporting swipe and pinch-to-zoom gestures; over 86% light transmittance and 6H surface hardness.Comes with abundant
- Flexible for various industrial scenarios, satisfies diverse connection and expansion demands.

Port Description

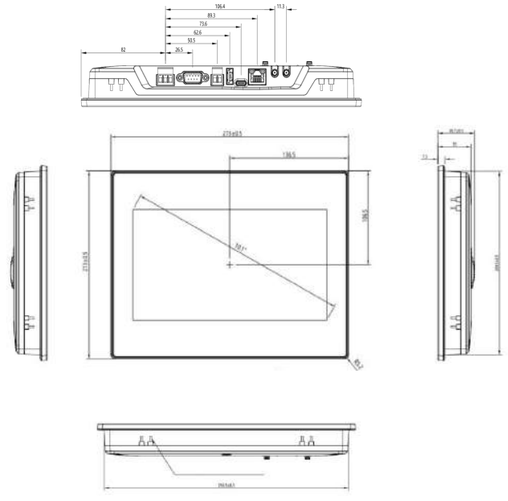


Product Dimensions

① 6380X



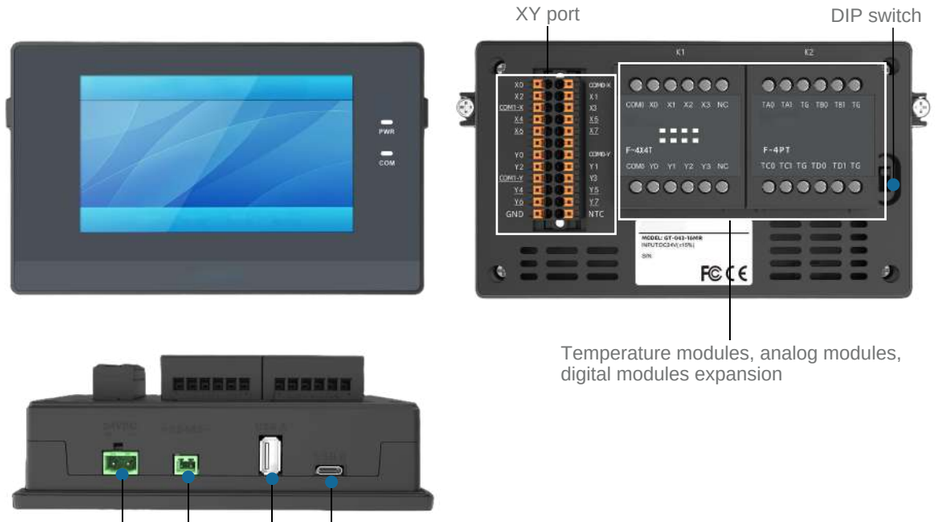
② 6400X



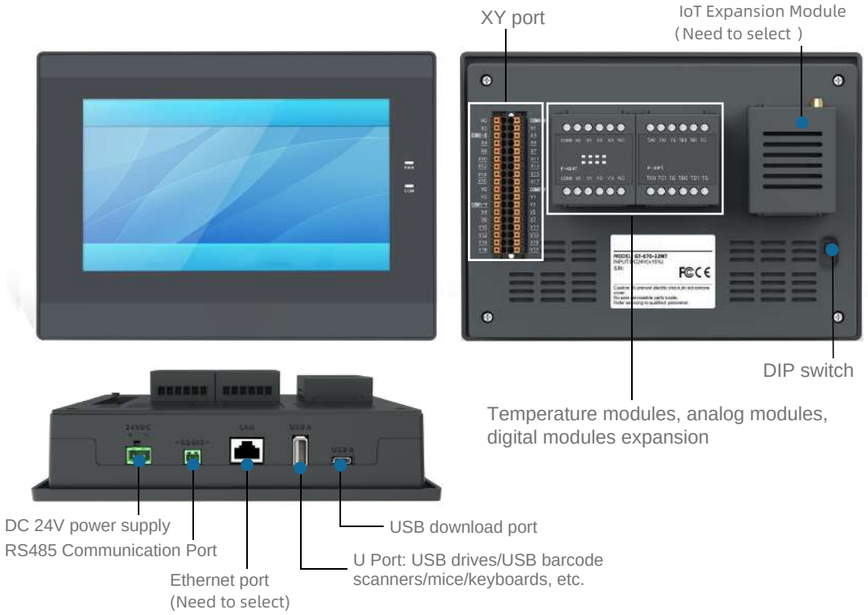
Product Specifications

Model	6380X	6400X
Display	8" 16:9 TFT LCD	10.1" 16:9 TFT LCD
Resolution	1024×600	
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	Cortex-A7 (main frequency is 1GHz, dual-core)	
Storage	256MB DDR3+256MB Flash	
RTC	Built-in	
Ethernet	1* 10M/100M self-adaptive RJ45 port	
SD Card	None	
Bluetooth	None	
USB Port	1*Type-C 2.0 port; 1*USB Type-A 2.0 port	
Program Download Method	USB Slave/U disk/Ethernet	
Serial Port	COM1: RS232/RS485/RS422 COM2: RS485 COM3: RS232	
LCD Viewing Angles (T/B/L/R)	85° / 85° / 85° / 85°	
Network Access	Ethernet	
Network Band	None	
VPN Transparent Transmission	Available	
Data Monitoring	300 points, supports timing or event-based upload	
Alarm Notification	100 points, support client push, SMS push, WeChat official account push	
Historical Data	30 points, supports restoration resume downloads, 50k records per point in offline storage, and cloud storage retention for 60 days	
Edge Computing	20 points, Supports script programming	
Network Protocol	Supports over 400 industrial device protocols	
Management and Maintenance	Supports remote firmware upgrade; supports import and export of configuration file	
Rated Power	<10W	
Rated Voltage	DC24V, operational range: DC 9V~28V	
Protection	Lightning surge protection	
Power Interruption Tolerance	<5ms	
Operating Temperature	0~50℃	
StorageTemperature	-20~60℃	
UV Resistance	Operating in high UV environment is prohibited (e.g., in direct sunlight)	
Environmental Humidity	10%~90%RH (non-condensing)	
Vibration Endurance	10~25Hz (X/Y/Z direction, 2G/30 minutes)	
Cooling Method	Natural air cooling	
Protection Level	Front: IP65 (with flush panel cabinet installation), Rear: IP20	
Enclosure Material	Engineering plastic	
Cut out dimension	190mm×136mm (+1.0mm/-0.5mm)	260mm×202mm (+1.0mm/-0.5mm)
Dimension HMI	204mm×145mm×36.6mm (±0.5mm)	273mm×213mm×36.6mm (±0.5mm)
Weight	476g	920g

① GT-043



② GT-070



Features

- Integrated programming for display and control
- Multiple 200KHZ pulse outputs, multiple high-speed inputs (multi-channel AB phase)
- Multiple analog inputs and outputs
- Certain models support transistor, relay outputs and mixed outputs
- Plenty of interfaces (both HMI and PLC have 485 ports, plus USB download and network ports)
- I/O modules can expand up to 16 I/O points, modules can support up to 8 temperature inputs with thermocouples/RTDs

Naming Rules

GT - 070 - 26 MR - 1TC1AI - G
① ② ③ ④ ⑤ ⑥

① GT:GT Series All-in-One Machine (HMI + PLC)

② 043: Display size 4.3"
070: Display size 7"

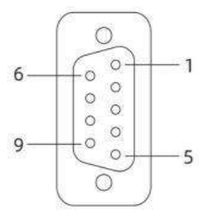
③ 16: Total I/Os are 16 points
23: Total I/Os are 23 points
26: Total I/Os are 26 points
30: Total I/Os are 30 points
32: Total I/Os are 32 points

④ MR: Relay output
MT: Transistor output
M/MTR: Includes transistor and relay

⑤ TC: Thermocouple input
PT: RTD input
AI: Analog input
AIO: Analog input/output

⑥ G: Comes with a network module

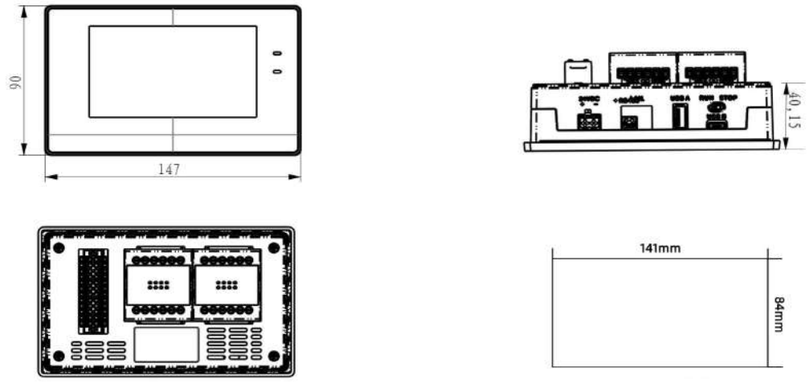
Port Description

DB9F: Serial port terminal				
Pinout diagram for a 9-pin male communication port connector	pin	COM1:RS232	COM2:RS422	COM2:RS485
	1			
	2	RX		
	3	TX		
	4			
	5	GND		
	6		RX-	
	7		RX+	
	8		TX-	B-
	9		TX+	A+

Wiring interface (COM3:485)		
	A+	B-

USB		
	USB Download Port	Connect the computer to the HMI to upload or download project files.

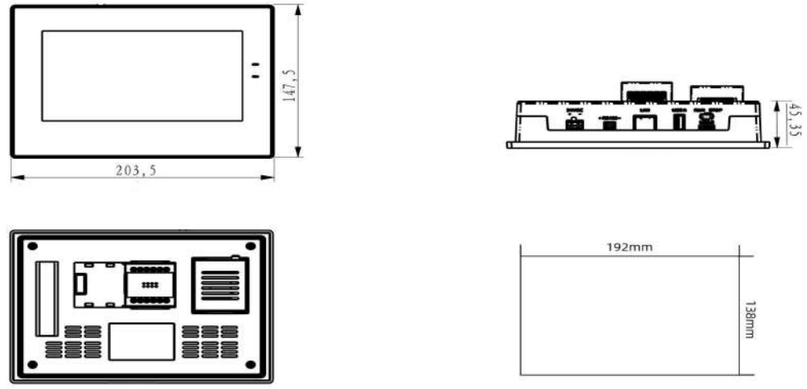
① GT-043



■ Product Specifications

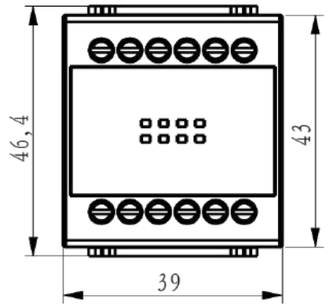
Model	GT-070-32MT -8PT	GT-070-32MT -8PT-G	GT-070-32MT -8TC	GT-070-32MT -8TC-G	GT-070-32MT -G
Dimension (mm)	204×148×45				
Cutout Dimension (mm)	192×138				
Display Size (mm)	7" (16:9)				
Weight (g)	738				700
Operating Ambient Temperature	-20℃~55℃ (Non-freezing)				
Operating Ambient Humidity	5~95%RH (Non-condensing)				
Vibration Resistance	10 ~ 25Hz, 2G for X/Y/Z axis, 30 minutes				
Housing Material	Engineering Plastic ABS+PC				
Power Supply	DC24V±15%				
ESD Level	±6kV				
Resolution (Pixels)	1024×600				
Contrast Ratio	400:1				
Brightness	450cd/m²				
Touch Panel	4-wire High-precision Touch Screen				
Display Colors	16.77M Colors				
Backlight Module	LED				
Memory	128MB DDR				
CPU	Cortex A7 1GHz, Dual-core				
Storage	128MB Flash				
FCC Compliance	Compliant with FCC, Class A				
Withstand Voltage Test	1000V AC, 1 minute				
CE Certification	Compliant with EN55032 and EN55035 standards				
Protection Grade	IP65 (Front Panel)				
Digital Input	16 points				
High-speed Counter	2 channels single-phase (X0, X2) @200KHz; 2 channels single-phase (X1, X3) @20KHz				
AB Phase Counter	2 channels AB phase (X0X1, X2X3) @200KHz				
Digital Output	16 points transistor output, including 4 channels 200KHz high-speed pulse output				
RTD Input	8 channels PT100/NI120		8 channels K/T type thermocouple		NONE
I/O Expansion	Max. 16 expandable points				
Temperature Module Expansion	Expandable to 8 channels via plug-in module, supports thermocouple/RTD				
Analog Module Expansion	Expandable to 8 channels via plug-in module				
Network Module	None	Supports 4G/WiFi	None	Supports 4G/WiFi	
USB Download Port	Available				
USB Flash Disk Port	Available				
PLC Communication Port	None				
HMI Communication Port	1 × RS485				
Ethernet	Available				

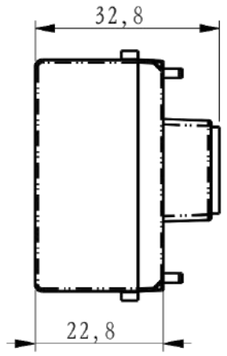
② GT-070

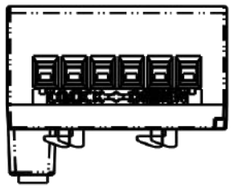


Model	GT-043-16MR	GT-043-16MT	GT-070-30MR	GT-070-30MR-G	GT-070-32MT
Dimension (mm)	147×90×40		204×148×45		
Cutout Dimension (mm)	141×84		192×138		
Display Size (mm)	4.3" (16:9)		7" (16:9)		
Weight (g)	286		756		700
Operating Ambient Temperature	-20℃~55℃ (Non-freezing)				
Operating Ambient Humidity	5~95%RH (Non-condensing)				
Vibration Resistance	10 ~ 25HZ (XYZ Axis, 2G/30min)				
Housing Material	Engineering Plastic ABS+PC				
Power Supply	DC24V±15%				
ESD Level	±6kV				
Resolution (Pixel)	480 × 272		1024 × 600		
Contrast Ratio	400:1				
Brightness	450cd/m²				
Touch Panel	4-wire High Precision Touch Panel				
Display Color	16.77M Colors				
Backlight Module	LED				
Memory	128MB DDR				
CPU	Cortex-A7 1GHz, Dual-core				
Storage	128MB Flash				
FCC Compliance	Compliant with FCC, Class A				
Withstand Voltage Test	1000V AC, 1 min				
CE Certification	Compliant with EN55032 and EN55035				
Protection Grade	IP65 (Front Panel)				
Digital Input	8		16		
High-speed Counter	2-channel Single-phase (X0, X2) 200KHZ; 2-channel Single-phase (X1, X3) 20KHZ				
AB Phase Counter	2-channel AB phase (X0X1, X2X3) 200kHz				
Digital Output	8-channel Relay	16 points transistor output including 4 200KHz high-speed pulse output points	14-channel Relay		16 points transistor output including 4 200KHz high-speed pulse output points
I/O Expansion	Max. expandable to 16 points				
Temperature Module Expansion	Expandable to 8 channels via plug-in module, support Thermocouple / RTD				
Analog Module Expansion	Expandable to 8 channels via plug-in module				
Network Module	None			Supports 4G/WiFi	None
USB Download Port	Available				
USB Disk Port	Available				
PLC Communication Port	None	1×RS485	None		
HMI Communication Port	1×RS485				
Ethernet	None		Available		

Plugin extension size







Extension Plugin Product Specification

Model	F-4TC	F-4PT	F-4PT-1
Overall Dimension (mm)	39×46×33		
Weight (g)	38		
Operating Ambient Temperature	-20°C ~ 55°C (No Freezing)		
Operating Ambient Humidity	5~95%RH (No Condensation)		
Vibration Resistance	10 ~ 25HZ (XYZ Axis), 2G/30min		
Power Supply	Powered by Main Unit		
Analog Input	4		
Input Mode	K-type, T-type Thermocouple	PT100 RTD	PT1000 RTD
Measurement Range	K-type (-50°C~800°C)T-type (-260°C~400°C)	-200°C~850°C	-50°C~300°C
Max. Resolution	0.1°C		
A/D Conversion Resolution	16-bit		
Overall Measurement Accuracy	±1°C	±0.5°C	±0.5°C
FCC Compliance	Compliant with FCC, Class A		
Withstand Voltage Test	1000V AC, 1 min		
CE Certification	Compliant with EN55032 and EN55035 standards		
Protection Class	IP30		

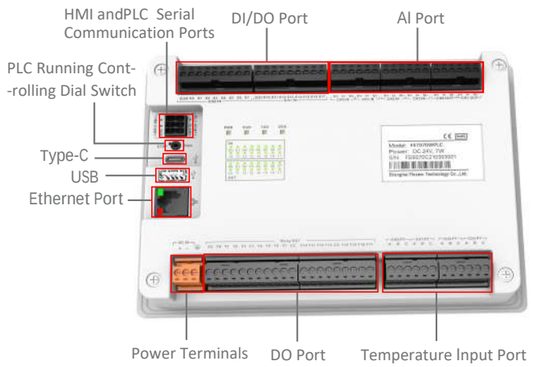
Model	F-4X4T	F-8X	F-8T	F-4R
Overall Dimension (mm)	39×46×33			
Weight (g)	38			
Operating Ambient Temperature	-20°C ~ 55°C (No Freezing)			
Operating Ambient Humidity	5~95%RH (No Condensation)			
Vibration Resistance	10 ~ 25HZ (XYZ Axis), 2G/30min			
Power Supply	Powered by Main Unit			
Digital Input	4	8	—	—
Input Signal Voltage	DC24V±20%	DC24V±20%	—	—
Max. Inductive Load	6W	—	6W	80VA
Max. Resistive Load	Single point:0.3A, Common:1A	—	Single point:0.3A, Common:1A	Single point:1A, Common:2A
Digital Output	4	—	8	4
Output Type	Transistor / NPN	—	Transistor / NPN	Relay
FCC Compliance	Compliant with FCC, Class A			
Withstand Voltage Test	1000V AC, 1 min			
CE Certification	Compliant with EN55032 and EN55035 standards			
Protection Class	IP30			

Model	F-4AI	F-2AI1AO	F-2AO
Overall Dimension (mm)	39×46×33		
Weight (g)	38		
Operating Ambient Temperature	-20°C ~ 55°C (No Freezing)		
Operating Ambient Humidity	5~95%RH (No Condensation)		
Vibration Resistance	10 ~ 25HZ (XYZ Axis), 2G/30min		
Power Supply	Powered by Main Unit		
Analog Input	4	2	—
Input Mode	Voltage / Current Measurement		—
Measurement Range	0-5V, 0-10V, 4-20mA		—
Max. Input Range	12V, 30mA		—
Max. Resolution	0-5V: 1.25mV;0-10V: 2.5mV;4-20mA: 5μA		—
A/D Conversion Resolution	16-bit		—
Overall Measurement Accuracy	±0.1%		—
Analog Output	—	1	2
Output Mode	—	Voltage / Current Output	
Output Range	—	0-5V, 0-10V, 4-20mA	
Max. Resolution	—	0-5V: 1.25mV;0-10V: 2.5mV;4-20mA: 5μA	
Output Accuracy	—	±0.5%	
Output Load Resistance	—	≥2KΩ@10V,≥2KΩ@5V,≤500Ω@20mA	
D/A Conversion Resolution	—	12-bit	
Overall Measurement Accuracy	—	±0.5%	
FCC Compliance	Compliant with FCC, Class A		
Withstand Voltage Test	1000V AC, 1 min		
CE Certification	Compliant with EN55032 and EN55035 standards		
Protection Class	IP30		

7000 Integrated HMI+PLC

7070WE-32MR

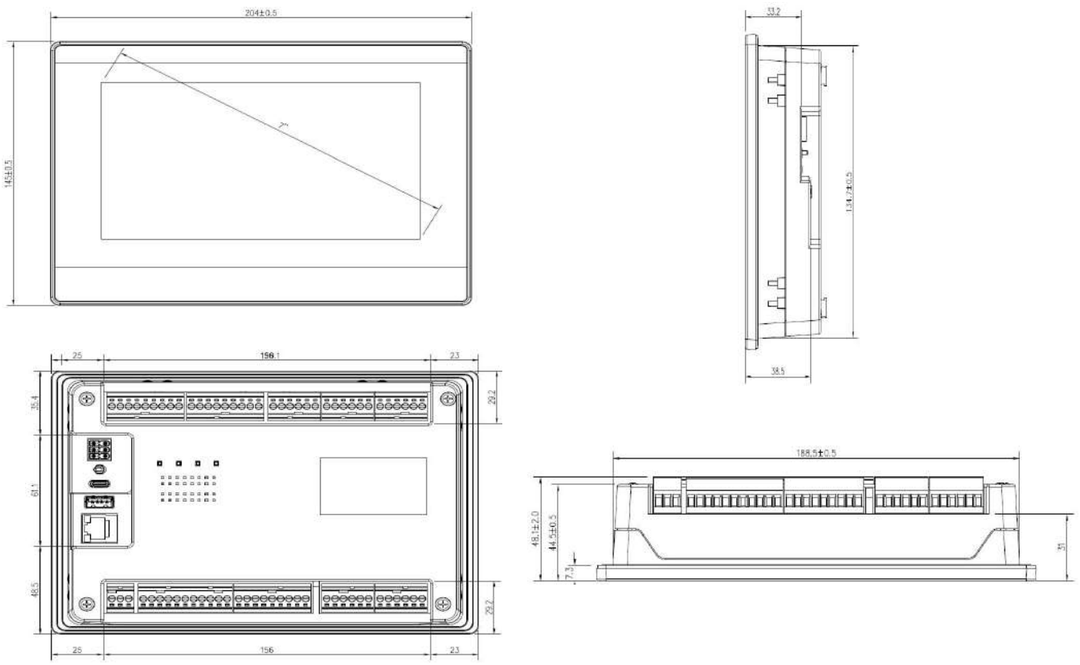




Features

- This integrated HMI+PLC solution features favorable cost performance, delivering reliable control and human-machine interaction functions at a competitive price level.
- It adopts a highly integrated hardware design, which effectively reduces the overall occupied installation space and helps miniaturize your equipment cabinet layout.
- It simplifies the whole equipment configuration workflow, cuts down wiring and commissioning work, and enables convenient daily maintenance and on-site troubleshooting.
- It simplifies equipment configuration procedures and supports easy maintenance.Conformal coating on the mainboard enables stable operation in various harsh environments.

Product Dimensions



Product Specifications

Model	7070WE-32MR
Human Machine Interface	7" 16:9 TFT LCD touch screen
Resolution	1024×600
Color	24 -bit
Brightness	350 cd/m²
Backlight	LED
LCD life	50000 hours
Touch Screen	4-wireless industrial touch screen
CPU	1GHz,dual core Cortex-A7
Memory	4GB eMMC + 128MB DDR
RTC	Real-time clock built-in
Ethernet	1 10M/100M Ethernet suitable
SD Card	None
USB Port	1 USB Type A interface/1 USB Type C interface
Serial Communication Ports	1 RS485
Program Downloading	USB U disc/Ethernet Ports/USB Type C port
LCD View Angle (T/B/L/R)	85'/85'/85'/85'
CPU	ARM 32-bit Cortex™-M3 CPU
Digital Input	16 switching inputs
Digital Output	8 transistor output+8 relay output
Analog Input	4 4~20mA/0-10V,12 -bit resolution
Analog Output	2 4~20mA/0-10V12 -bit resolution
PT100	4line3wiring PT100
User Program Capacity	150K Bytes(>10K step)
Power-offer Protection	4K Bytes
Timer	256 100ms timer x206(counting0.1~3276.7 seconds), 10m timerx46(counting0.01~327.67 seconds), 1ms timerx4(counting0.001~32.767 seconds).
Counter	235
High Interruption	X0-X4 rising edge and falling edge interrupt,3 timing interrupt
Program Excution	Circulation Scanning
Process Speed	General Command 0.1us/function Command(ON status 5us/OFF status 0.5us)
Programing	Ladder diagraph,standardC,can combine using
Serial Communication Port	Or PORT1, supporting Mitsubishi FX2N and Modbus RTU protocol
Program Ports	USB Type C 2.0:HMI&PLC download projects separately, USB Type A 2.0:Only for HMI software downloading
Rated Power	< 10W
Rated Voltage	DC24V,working range DC 18V～30V
Power Protect	With Lightning & Surge Protection
Power Loss Allowed	< 5mS
Working Temp	0~50℃
Storage Temp	-20~60℃
UV Protection	Prohibit working under strong violet environment such as direct sunshine.
Environment Humidity	10%～90%RH(non condensate)
Anti-vibration	10～25Hz(X,Y,Z direction2G/30 minutes)
Cooling	Natural Cooling
Protection Grade	Front Panel confirms to IP65(with cabinet installation),back coverconfirms to IP20
Mechanic Structure	Engineering plastics+Alloy
Hole Size	190mm×136mm
Machine Size	204mm×145mm×48mm
Weight	About1000g