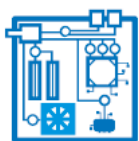


VS-Q Series HMI Product Manual





Powerful CPU

- Stable, efficient, safe, and reliable run in Linux.
- Industrial-grade high-performance processor.
- Cortex A7 CPU, with the main frequency up to 1.2GHz.



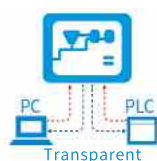
Diversified communication

- Multi-serial communication (RS232/422/485).
- Ethernet communication.
- Allowing one screen or multi-screen for one machine, or multi-screen for multi-machine.
- Optional IoT module, supporting remote monitoring, and remote program uploading and downloading.



Convenient configuration

- Multi-set recipes, multi-window function.
- Data acquisition, data alarm function.
- Macros are supported.
- Support for custom vector graphics.



Featured function

- PC can communicate directly with the PLC via the HMI.
- Online simulation function, PC can be directly connected to the PLC simulation configuration project.
- USB, Ethernet, U disk three ways to update the configuration of the project.



IoT operation and maintenance

- Supporting WiFi networking method.
- Supporting remote upload and download, firmware update HMI/PLC.
- Supporting cloud platform data monitoring, historical data storage, and alarm push.
- Supporting cloud configuration, GIS mapping, and monitoring via the mobile app.



Safe and reliable

- Industrial-grade design, stable operation.
- High-capacity FLASH supports permanent storage of large capacity data without loss of power.
- Support USB flash drive data storage.
- New password mechanism, more secure and reliable to use.

Technical specifications



Ordering code	11026-00025	11026-00031	11026-00022	11026-00023	11026-00029	11026-00024	11026-00028	11026-00026
Model	VS-043QE	VS-043QS	VS-070QE	VS-070QS	VS-070QS-G	VS-102QS	VS-102QS-G	VS-156QS

Display

Display size	4.3"	7"		10.2"	15.6"
Resolution	480×272	800×480	1024×600		1920×1080
Screen material	ITO				
Color depth	24 bits				
Brightness (cd/m²)	400	450			300
Backlight type	LED				
Backlight life (hr)	20000				15000
Touch panel type	4-wire high accuracy touch panel				

CPU and memory

CPU	Cortex-A7 1GHz (dual core)							Cortex-A7 1.2GHz
Memory	128M DDR3							256M DDR3
Flash	128M Flash							4G (EMMC)

Communication interface

USB		USB Client ×1, USB Host ×1					
Serial * interface	COM1	RS232	RS485	RS232			
	COM2	RS485/422	-	RS485/422			
	COM3	-	-	RS485			
Ethernet		-	Support	-	Support		
SD card slot		-					
WIFI		-			Support	-	Support

Power supply

Rated voltage	12-24VDC (±15%)							
Rated power	3W	4W			7W		10W	

Environment

Work temperature	-20~55 °C							
Work humidity	5~95%RH (No condensation)							
Protection level	IP65 (front panel)							

Certification

CE	EN55032, EN55035							
FCC compatibility	FCC, Class A							

Dimensions and weight

Physical dimension W*H*D (mm)	139×86×31	139×86×31	203×145×35		273×211×40		395×257×31	
Hole dimension A*B (mm)	132×80	132×80	192×138		259×201		383×246	
Weight (Kg)	0.2	0.214	0.7		1.05		2.45	

configuration

Configuration software	HMITOOL							
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Note: ● Indicates Support - Indicates not supported * In the serial interface, DB9 is a male socket

/ Module specifications



Wi-Fi module

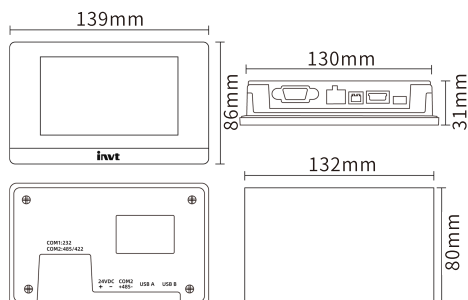


HMI combination method

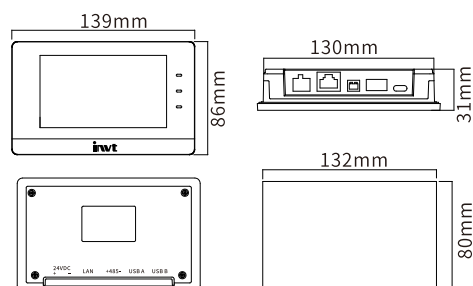
Ordering code		11095-00023
Model		VS-Q-WIFI
Hardware parameters	Physical dimension (mm)	40.5 × 55.95 × 27.5
	Weight (g)	26
	Work temperature	-20°C~55°C (no freezing)
	Work humidity	5~95%RH (No condensation)
	Vibration resistance	10~25Hz(XYZ direction 2G/30min)
	Shell material	Engineering plastic ABS+PC
	Networking method	WIFI
	Network frequency band	IEEE 802.11b
		IEEE 802.11g
		IEEE 802.11n
	Network reconnection	Supported
	Offline transmission resuming	Supported
	API interface	Supported
Software parameter	VNC function	Supported
	Data monitoring	Support up to 280 data points
	Historical data	Supports up to 20,000 data items
	Alarm push	Support client push and WeChat public account push

Dimension

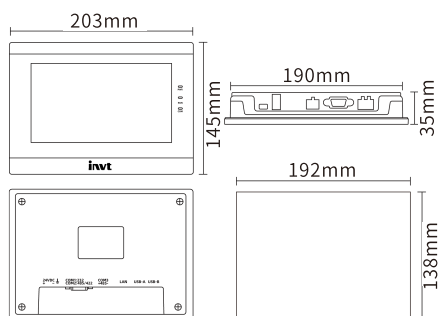
VS-043QE



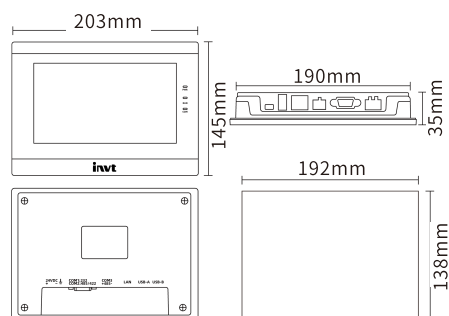
VS-043QS



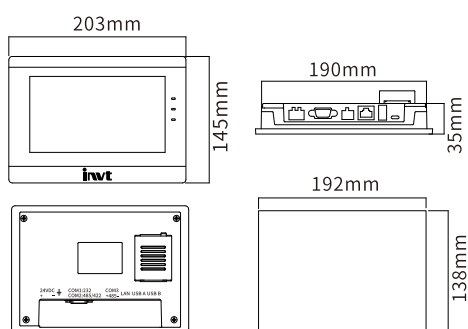
VS-070QE



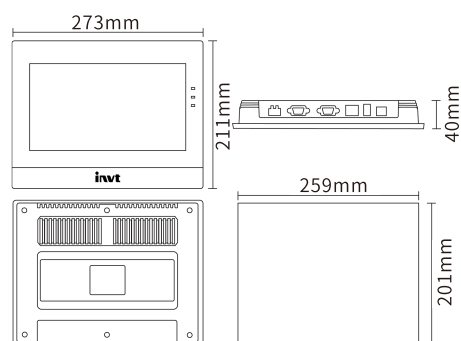
VS-070QS



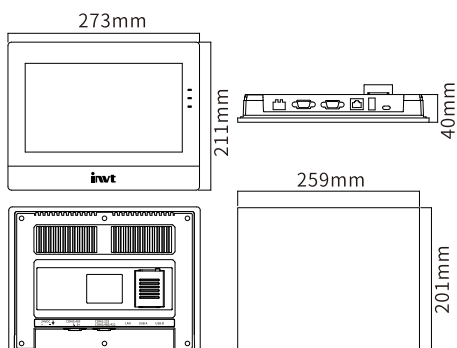
VS-070QS-G



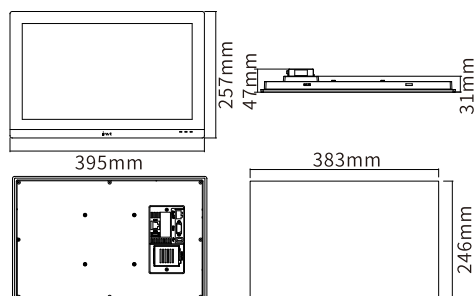
VS-102QS



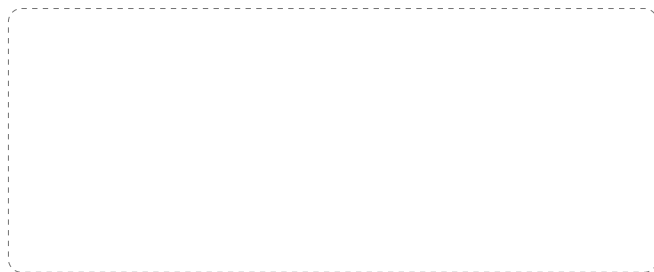
VS-102QS-G



VS-156QS



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