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NIC SANAT
نیک صنعت

INVT HMI
VS series

Product features

Powerful core

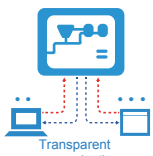
- Carry high-performance industrial Cortex-A8 processor, main frequency can be up to 600MHz
- Improve data processing efficiency greatly

Diversified communication

- Built-in COM port is integrated with RS232/422/485 communication modes
- Support industrial Ethernet communication, realize data exchange among multiple devices via built-in 10M/100M self-adaptive network card
- Support free port communication protocol

Convenient networking

- Abundant built-in vectorgram library
- Support customized vectorgram
- Provide standard outline for common vectorgram
- Support macro instruction programming, C language script
- Support U-disk update and data import /export



Featured functions

- PC can communicate with PLC directly via HMI
- Support two HMIs to communicate simultaneously with one PLC
- Online simulation function, PC can be connected to PLC directly to simulate configuration project
- Alarm record memory can be expanded

Language font

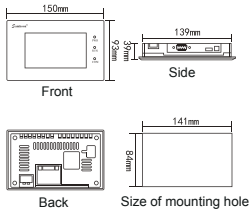
- Support five languages
- Support TRUE TYPE (TTF) font
- Support complicated font edit
- Unicode coding, international standard

Safe and reliable

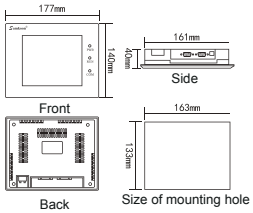
- Industry-level design enables stable operation
- High-capacity FLASH, power-off memory, support U-disk storage
- New password system which is safer and more reliable

Model	VS-043FE	VS-057FE	VS-070HE VS-070HE-1	VS-070HS	VS-102HC	VS-102HCS	VS-121FE	VS-121FS
Display								
Display size	4.3"	5.7"	7"		10.2"		12.1"	
Resolution	480×272	640×480	800×480		1024×600		800×600	
Display color	Up to 260,000 colors							
Brightness (cd/m2)	400	400	450		500		500	
Contrast	400:1	400:1	400:1		500:1		450:1	
Backlight type	LED							
Backlight life (hr)	Above 20,000 h (working continuously in 25°C-brightness drops by half							
Touch panel type	Four-line resistive type							
Precision of touch panel	≤1.5%							
Processor and storage								
Processor	Cortex-A8 600MHz							
Internal storage	128M							
Internal storage	128M							
Communication interface								
USB	USB Host: USB2.0*1 / USB Client: USB2.0*1							
Serial interface	COM:RS232/422/485	COM1:RS232/422/485 / COM2:RS232/422/485 Note: VS-070HE-1 has only one COM port						
Ethernet interface	Null	Null	Null	10/100BASE-T*1	Null	10/100BASE-T*1	Null	10/100BASE-T*1
SD card slot	Null							
Printing interface	COM							
Electrical specification								
Input power	24VDC(±15%)							
Power consumption	3W	4W	6W		6W		8W	
Voltage withstand	500V DC (1 min)							
Electrostatic level	Level 3±6kV	Level 3±6kV	Level 4±8kV		Level 4±8kV		Level 4±8kV	
Quakeproof degree	10～25Hz (XYZ direction 2G/30 min)							
Operating environment								
Storage temp.	-20～65℃							
Storage RH	10～90%RH (no condensation)							
Working temp.	-20～65℃(no condensation)							
Working RH	10～90%RH							
Protection class	IP65 (front panel)							
Certification	Conform to EN55022 and EN55024 standards							
CE certification	Conform to EN55022 and EN55024 standards							
FCC compatibility	Conform to FCC, Class A							
Dimension and weight								
Outline size (mm)	150×93×39	177×140×40	205×145×40		274×180×40		340×256×54	
Hole size (mm)	141×84	163×133	192×138		255×167		330×246	
Weight	0.27Kg	0.51Kg	0.78Kg		1.05Kg		2.16Kg	

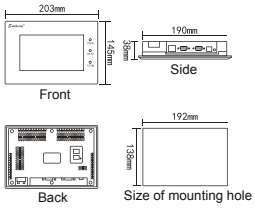
●VS-043FE



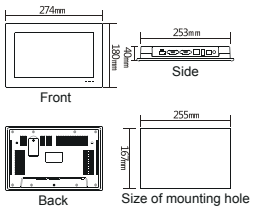
●VS-057FE



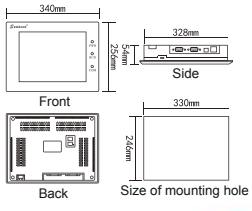
●VS-070HE/HE-1/HS



●VS-102HC/HCS



●VS-121FE/FS



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