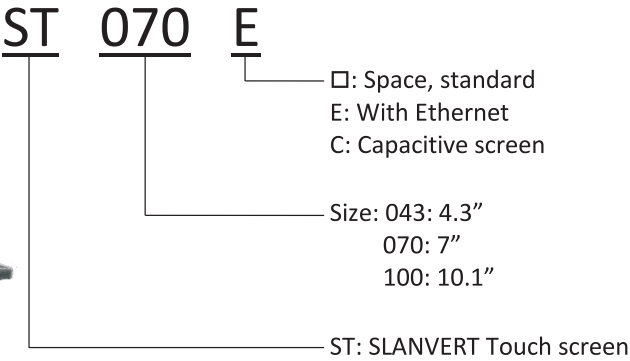


ST Series HMI



Resistive HMI Specification

Model	ST043	ST070	ST070E	ST100E	ST156E
Screen	4.3" LCD TFT	7" LCD TFT	7" LCD TFT	10.1" LCD TFT	15.6" LCD TFT
Resolution	480*272	800*480	1024*600	1024*600	1920*1080
Colors	16-bit	16-bit	24-bit	24-bit	65K
Brightness	360 cd/m²	250 cd/m²	350 cd/m²	400 cd/m²	250 cd/m²
Backlight	LED				
Touch panel	4-wire Resistive industrial touch screen				
CPU	1GHz, Dual-core Cortex-A7				1G ARM Cortex-A8
Storage	128M + 64M	128M + 128M	256M + 4G		256M + 512M
RTC	Built-in				
Ethernet Port	/		1*RJ45, 10/100Mbps		2* 10M/100M
USB Port	1* Type-C OTG	1* Type-C OTG, 1*USB-A	1* Type-C OTG, 1*USB-A		1* USB Slave 2.0 1* USB Host 2.0
Download	USB Slave/ U disk (by converter)	USB Slave/ U disk	USB Slave/ U disk / Ethernet		
Serial Port	COM1:RS232/RS485/RS422 COM3: RS232	COM1:RS232/RS485/RS422 COM2: RS485 COM3: RS232	COM1: RS232/RS485/RS422 COM2: RS485 COM3: RS232		COM1:RS232/RS485/RS422 COM2: RS485/RS422 COM3:RS232/RS485/RS422
Rated Power	< 5W	< 10W	< 10W		<18W
Rated Voltage	DC24V, Range DC 9V-28V				DC24V, Range DC 18V-28V
Power Protection	With lightning surge protection				
Power Failure	< 5ms				
Operation Temp.	0 ~ 50℃				
Storage Temp.	-20 ~ 60℃				
Humidity	10 ~ 90% RH, No condensation				
Vibration	10 ~ 25Hz (X, Y, Z direction, 2g/30min)				
Ingress Protection	Front: IP65, Rear: IP20				
Certification	CE, RoHS				
Cutout Size	132*80 mm	190*136 mm	190*136 mm	260*202 mm	380*245 mm
Dimension	138*86*32 mm	204*145*34 mm	204*145*34 mm	273*213*36 mm	394*256*36 mm
Weight	About 300g	About 476g	About 476g	About 920g	About 2250g

Capacitive HMI Specification



Model	ST070C	ST100C
Screen	7" LCD TFT	10.1" LCD TFT
Resolution	1024*600	1024*768
Colors	24-bit	16-bit
Brightness	350 cd/m²	350 cd/m²
Backlight	LED	
Touch panel	Glass + Glass Multi-touch capacitive touch screen	
CPU	1.2GHz, 4-core Cortex-A7	
Storage	4G + 256M	
RTC	Built-in	
Ethernet Port	1*RJ45, 10/100Mbps	
USB Port	1* Type-C USB Slave 1* USB A Host	1* MicroUSB Slave 1* USB A Host
Download	USB Slave/ U disk / Ethernet	
Serial Port	COM1: RS232/RS485/RS422 COM2/COM4: RS485 COM3: RS232	
Rated Power	< 6W	<8W
Rated Voltage	DC24V, Range DC 9V-28V	
Power Protection	With lightning surge protection	
Power Failure	< 5ms	
Operation Temp.	-10 ~ 60°C	
Storage Temp.	-20 ~ 70°C	
Humidity	10 ~ 90% RH, No condensation	
Vibration	10 ~ 25Hz (X, Y, Z direction, 2g/30min)	
Ingress Protection	Front: IP65, Rear: IP20	
Certification	CE, RoHS	
Cutout Size	178*125 mm	230*180 mm
Dimension	181.5*130.9*32.6 mm	247*197*31.5 mm
Weight	About 600g	About 1100 g

IoT Module (Available for ST070E and ST100E)

Features	ST-WIFI	ST-4G	ST-4G-WIFI
Network Access	Ethernet, Wifi	Ethernet, 4G	Ethernet, 4G, WIFI
Network Band	WIFI: 802.11b/g/n compatible WLAN 802.11e QoS Enhancement WMM	4G: LTE FDD: B1/B3/B5/B8, LTE TDD: B34/B38/B39/B40/B41	4G: LTE FDD: B1/B3/B5/B8, LTE TDD: B34/B38/B39/B40/B41 WIFI: 802.11b/g/n compatible WLAN 802.11e QoS Enhancement WMM
Operation Temp.	-10 ~ 60°C		
Storage Temp.	-20 ~ 70°C		
Dimension	37*62*15.3 mm		
Weight	About 30g		
VPN Transparent Transmission	Available		
Data Monitoring	300 points		
Alarm Notification	100 points		
Remote Control	Support remote update, PLC program upload and download		

