

SINOVO

Easy Global Networking



7" / 10.1"

B Series SmartLink HMI

9 Highlights

- Enable simple connection between HMI, mobile phone, tablet, computer, TV, camera and other HMIs in local area network.
- Enable simple connection between HMI, mobile phone, tablet, computer, TV, camera and other HMIs over the Internet.
- Allow remote access for multiple concurrent users without SCADA in the cloud or VNC connection.
- Provide data transmission and data storage in any public or private server.
- Integrate data with ERP, MES or other applications by MQTT, OPC UA, HTTP, TCP and etc.
- Embed the display of HMI in other applications like software, APP and etc.
- Include intelligent functions such as TTS output, intercom, audio playing and etc.
- Use mobile phone as a scanner to scan barcode and enter information in HMI.
- Apply to data visualization or centralized control on large screen by TVBOX.

Model List

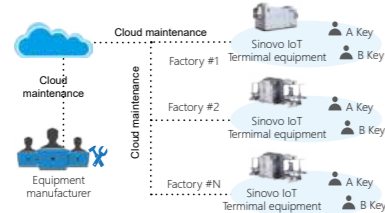
Model	TFT Screen	Storage	LAN	USB	COM	Voice	WiFi	Wireless	Hole Size	Dimension W*H*D
B7H	7" 1024*600 HD	4GB + 512M	1	2	2	Yes			193x138mm Chamfer: (R3.5mm)	200x146x37mm
B7H-G	7" 1024*600 HD	4GB + 512M	1	2	2	Yes		China 4G		
B7H-W	7" 1024*600 HD	4GB + 512M	1	2	2	Yes	Yes	Global 4G		
B7H-E	7" 1024*600 HD	4GB + 512M	1	2	2	Yes		Global 4G	260x202mm Chamfer: (R9mm)	270x212x35mm
B10S	10.1" 1024*600	4GB + 512M	1	2	2	Yes		China 4G		
B10S-G	10.1" 1024*600	4GB + 512M	1	2	2	Yes		China 4G		
B10S-W	10.1" 1024*600	4GB + 512M	1	2	2	Yes	Yes	China 4G		
B10S-E	10.1" 1024*600	4GB + 512M	1	2	2	Yes		Global 4G		

Products Features

Connection in LAN
All models have built-in IIoT technology which enables local access and open interface without internet.



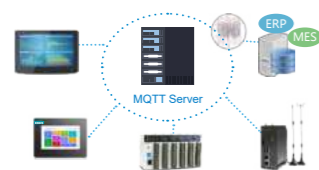
Cloud maintenance
It's easier for manufacturers to manage equipments by using remote maintenance function.



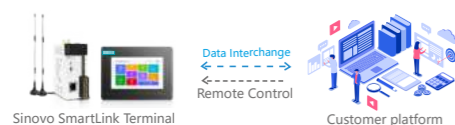
Data security
The user data is not stored in Sinovo cloud. All the data can be stored in private or public server assigned by users.



MQTT protocol
MQTT protocol is supported and applied to the connection with ERP/MES/database.



Display integration
The display of HMI can be embedded in other applications such as software, website, APP and etc so that they have remote access to HMI.



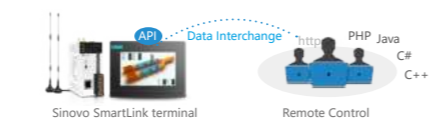
Remote access
With the real-time control solution developed by Sinovo, concurrent users can remotely access HMI by APP and desktop.



Secure access
The remote access needs to be identified by the A/B key security mechanism. The remote control can be configured to be authorized on HMI.



Web API
Users can get the data and control device on their own platform or software by Web API in local area network or over Internet.



IoT platform
All models support the connection to Alibaba Cloud IoT, AWS IoT and Google Cloud IoT Core.



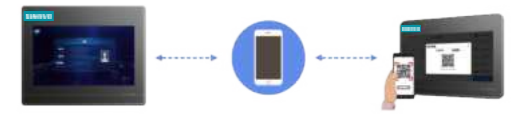
Remote centralized control
All the data of remote devices can be acquired through MQTT broker for centralized control. Users don't even need to deploy server if using cloud data center.



Mobile scanner
You can turn your mobile phone into a barcode scanner and enter information everywhere. It's more convenient than external scanner.



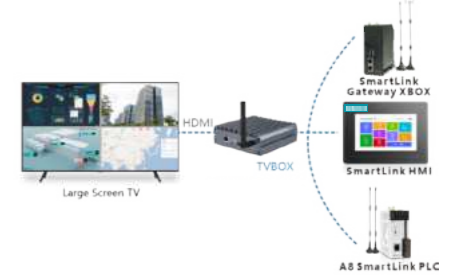
Mobile authentication
The identity of operator can be verified by using NFC recognition or scanning a QR code with mobile phone.



Voice broadcast
All models can connect with microphone and speaker by USB to audio adapter and support text to speech, playing audio files, voice intercom, voice broadcast and remote intercom with APP.



Digital display board
The production data, device state and video surveillance can be viewed on large screen by connecting with TVBOX. It can be applied to data visualization and centralized control.



Products Specification

Specification		7"	10.1"
Software	Programming software	Sinovo Cloud SCADA	
	Screen size	7" TFT	10.1" TFT
Display	Resolution	1024x600 pixels	
	Display color	16.7M	
	Brightness	450 cd/m2	
	View available	85°/85°/85°/85°	
	Touch panel type	Analog resistive film	
	Backlight	Type	LED
Hardware	Life	50,000 hours	
	Auto sleep function	Yes	
	Flash	4GB	
	RAM	512M	
	Ethernet	10/100 Base-T*1	
	Serial port	COM1:RS232*1 COM2:RS485*1	
	USB HOST	USB2.0 *2	
	RTC	Yes	
Power	Rated input voltage	24V DC±20%	
	Power Consumption	7W@24V DC	10W@24V DC
	Power protection	Surge protection and anti-reverse protection	
	Withstand voltage	500VAC	
	Insulation resistance	Exceed 50MΩ @500VDC	
	Vibration Endurance	10 ~ 25 Hz X, Y, Z direction 2G/30 min	
Environment	Cooling method	Natural air circulation	
	Protection grade	Front: IP65 Rear: IP20	
	Storage temperature	-20 ~ 70°C	
	Operating temperature	-10°C ~ 60°C	
	Relative humidity	10 ~ 90% RH (non-condensing)	
	Operating environment	Prevention of dust, moisture, corrosion, electric shock and external shock	
Structure	Material	ABS (flame-retardant)	
	External dimensions (WxHxD)	200x146x37mm	270x212x35mm
	Panel cut dimensions (WxH)	193x138mm (R3.5mm)	260x202mm (R9mm)
	Weight	0.8kg	1.3kg
Feature	Installation	Panel mounting	
	WiFi	Optional (802.11b/g/n)	
	Wireless	Optional (4G)	



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The parameters of product are subject to changes without prior notice. (Ver I - 202401)