



HT3000-A Series IIoT Cloud HMI Catalog

Model List

Model	TFT Screen	Storage	LAN+COM	USB	intelligentize	Voice	Local video	RFID	GPS	WIFI	Wireless	Hole Size W×H(mm)	Dimension W×H×D(mm)
HT3000-A7	7" 1024*600 HD	4G+512M	1+3	1	speaker	yes						187x114 Chamfer: R7mm	193x120x32mm
HT3000-A7W		4G+512M	1+3	1	speaker	yes				yes			
HT3000-A7P		4G+512M	1+3	1	speaker	yes			yes				
HT3000-A7E		4G+512M	1+3	1	speaker	yes					Global 4G		
HT3000-A7EW		4G+512M	1+3	1	speaker	yes				yes	Global 4G		
HT3000-A7 Pro		4G+1G	2+3	2	microphone speaker	yes	yes	yes					
HT3000-A7 ProW		4G+1G	2+3	2	microphone speaker	yes	yes	yes		yes			
HT3000-A7 ProP		4G+1G	2+3	2	microphone speaker	yes	yes	yes	yes				
HT3000-A7 ProE		4G+1G	2+3	2	microphone speaker	yes	yes	yes			Global 4G		
HT3000-A7 ProEW		4G+1G	2+3	2	microphone speaker	yes	yes	yes		yes	Global 4G		
HT3000-A10	10.1" 1280*800 HD	4G+512M	1+3	1	speaker	yes						254x161 Chamfer: R7mm	260x167x32mm
HT3000-A10W		4G+512M	1+3	1	speaker	yes				yes			
HT3000-A10P		4G+512M	1+3	1	speaker	yes			yes				
HT3000-A10E		4G+512M	1+3	1	speaker	yes					Global 4G		
HT3000-A10EW		4G+512M	1+3	1	speaker	yes				yes	Global 4G		
HT3000-A10 Pro		4G+1G	2+3	2	microphone speaker	yes	yes	yes					
HT3000-A10 ProW		4G+1G	2+3	2	microphone speaker	yes	yes	yes		yes			
HT3000-A10 ProP		4G+1G	2+3	2	microphone speaker	yes	yes	yes	yes				
HT3000-A10 ProE		4G+1G	2+3	2	microphone speaker	yes	yes	yes			Global 4G		
HT3000-A10 ProEW		4G+1G	2+3	2	microphone speaker	yes	yes	yes		yes	Global 4G		
HT3000-A15	15.6" 1920x1080 HD Capacitive	4G+1G	2+3	2	speaker	yes						383x245 Chamfer: R7mm	394x256x45mm
HT3000-A15W		4G+1G	2+3	2	speaker	yes				yes			
HT3000-A15P		4G+1G	2+3	2	speaker	yes			yes				
HT3000-A15E		4G+1G	2+3	2	speaker	yes					Global 4G		
HT3000-A15EW		4G+1G	2+3	2	speaker	yes				yes	Global 4G		
HT3000-A15 Pro		4G+1G	2+3	2	microphone speaker	yes	yes	yes	yes				
HT3000-A15 ProW		4G+1G	2+3	2	microphone speaker	yes	yes	yes		yes			
HT3000-A15 ProP		4G+1G	2+3	2	microphone speaker	yes	yes	yes	yes				
HT3000-A15 ProE		4G+1G	2+3	2	microphone speaker	yes	yes	yes			Global 4G		
HT3000-A15 ProEW		4G+1G	2+3	2	microphone speaker	yes	yes	yes		yes	Global 4G		

Features

Connection in LAN

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



Video surveillance

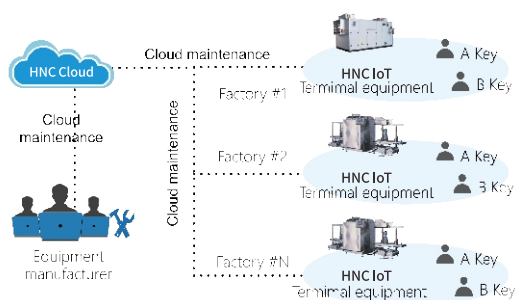
HMI can connect with camera supporting RTSP or EZVIZ protocol by Ethernet. The camera can be watched on HMI and APP.



(Only supported in Pro version)

Cloud maintenance

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



Video playing

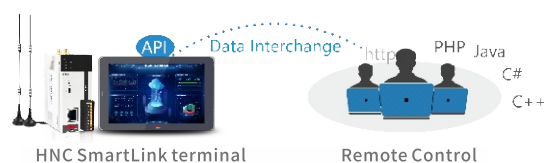
You can play video on HMI. The supported format is Mp4.



(Only supported in Pro version)

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.



Data security

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



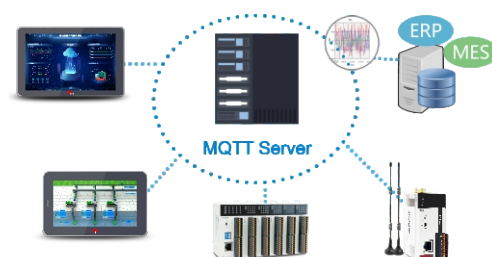
IoT platform

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



MQTT protocol

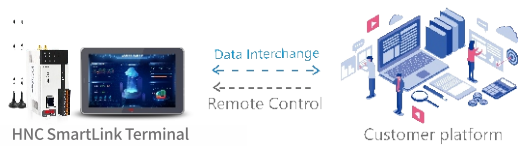
MQTT protocol is supported and applied to the connection with ERP/MES/database.





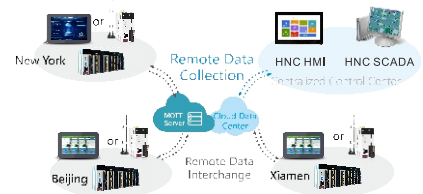
Display integration

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 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.



Text to speech

The english text can be converted into voice through built-in speaker. Audio files can also be played.



Support text to speech



Support voice broadcast



Support voice intercom



built-in multimedia hardware



Support remote intercom and broadcast with mobile phone



Mobile scanner

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



Mobile authentication

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



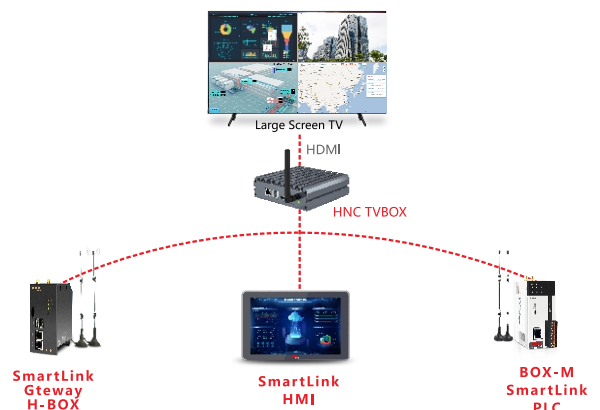
RFID/NFC

HMI supports reading RFID tags and NFC recognition, which can be applied to user login and access control.



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.



Satellite positioning

Support Beidou positioning and trajectory tracking. Users can check the realtime position of devices.



Specification

Specification		A7	A7 Pro	A10	A10 Pro	A15	A15 Pro
Software	Programming software	HTCloud Designer					
Display	Screen size	7" TFT		10.1" TFT		15.6" TFT	
	Resolution	1024x600 pixels		1280x800 pixels		1920x1080 pixels	
	Display color	16.7M				262K	
	Brightness	450 cd/m²		450 cd/m²		350cd/m²	
	Viewing angle	85'/85'/85'/85'		85'/85'/85'/85'		85'/85'/85'/85	
	Touch panel type	Analog resistive film				Capacitive Touch screen	
Backlight	Type	LED					
	Life	50,000 hours					
	Auto sleep function	Yes					
Hardware	Flash	4G					
	RAM	512M	1G	512M	1G	1G	1G
	Ethernet port	10/100 Base-T*1	10/100 Base-T*2	10/100 Base-T*1	10/100 Base-T*2	10/100 Base-T *2	
	Serial port	COM1:RS232*1 COM2:RS485*1 COM3:RS485*1					
	USB	USB 2.0 *1	USB 2.0 * 2	USB 2.0 *1	USB 2.0 * 2	USB2.0 * 2	USB2.0 * 2
	RTC	Yes					
Power	Rated input power	24V Dc±20%					
	Power consumption	10W@24V DC		13W@24V DC		15W@24V DC	
	Power protection	Surge protection and anti-reverse protection					
	Withstand voltage	500V AC					
	Insulation resistance	50MΩ @500VDC or more					
	Vibration resistance	10 - 25Hz: 2G/30 minutes in each of X,Y or Z direction					
Enviroment	Cooling method	Natural air circulation					
	Protection grade	Front: IP65					
	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 and PC (flame-retardant)				Engineering plastic ABS+Glass panel	
	External dimensions	193x120x32mm		260x167x32mm		394x256x45mm	
	Panel cut dimensions	187x114mm (R7mm)		254x161mm (R7mm)		383x245mm (R7mm)	
	Weight	0.8kg		1.1kg		2.5kg	
	Installation	Panel mounting					
Feature	WiFi	Optional (802.11b/g/n)					
	Wireless	Optional (4G)					
	RFID	No	Standard	No	Standard	No	Standard
	GPS	Optional					
	Microphone	External	Built-in	External	Built-in	External	Built-in
	Speaker	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in



Thanks for choosing HNC product
Any technique support, please feel to contact our support team

URL: www.hncelectric.com
Email: support@hncelectric.com