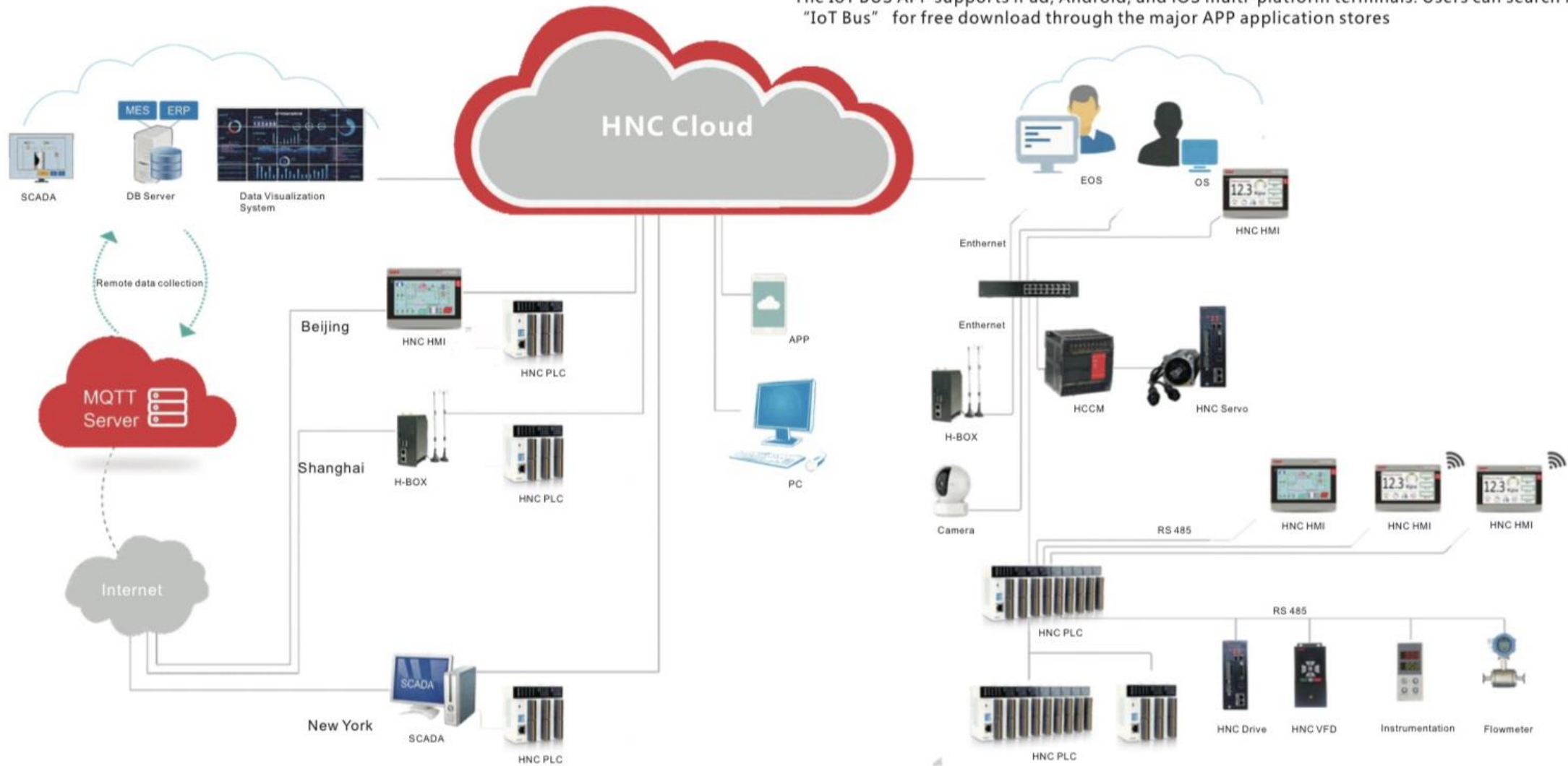# IoT HMI

HNC CLOUND & APP

DIGITAL

HNC CLOUND

HNC Cloud is a cross-platform industrial Internet of Things cloud platform that supports PC, iPad, Android, and iOS multi-platform terminals. Simply put, HNC Cloud is a complete set of cloud service solutions for the automation industry. It covers HNC Cloud website, cloud configuration, cloud HMI, cloud APP and other products. Through the HNC cloud platform, users can remotely access machines and equipment on the site thousands of miles away, realize remote monitoring and maintenance of HMI and PLC, realize remote programming, firmware upgrade, diagnosis, monitoring and debugging, etc. In summary, the HNC cloud platform has 9 major Features, it can help users realize the functions of cloud networking, cloud access, cloud video, cloud alarm, cloud engine, cloud management, cloud security, cloud translation and cloud map. The HNC Cloud provides a secure communication mechanism. It uses 128-bit SSL encryption to ensure stable data transmission. A-Key and B-Key protection mechanisms are also set up on the device side to ensure the safety and reliability of remote access devices.

IoT BUS APP

The IoT BUS APP supports iPad, Android, and iOS multi-platform terminals. Users can search for "IoT Bus" for free download through the major APP application stores

DIGITAL

IoT BUS APP

The IoT BUS APP supports iPad, Android, and iOS multi-platform terminals. Users can search for "IoT Bus" for free download through the major APP application stores

HNC CLOUND & APP

Compatibility
Support 100+ industrial protocols.
Support mainstream PLC

Ease of use
The interface is simple and easy to use, the interface is friendly

Configurable
The configuration interface can be configured, the data index can be configured, the collection rules can be configured, and some script languages are required for configuration.

Cost-effective
Provide a series of cost-effective IoT terminal products.

Holistic
Adopt integrated software and hardware solutions, with high integration, which greatly reduces the threshold for enterprises to invest in the Internet of Things

Openness
Third-party platforms such as Internet of Things terminals and connection platforms can be connected throughout the solution

Integrated cloud access & alarm push
You can easily perform remote cloud access control on local or remote HMI devices through cloud APP and cloud website. Real-time abnormal monitoring alarm, the alarm information is pushed to the designated management personnel in real time. Alarm notifications can be received via mobile APP, SMS, etc.

A/B Key security mechanism
The dual-key audit mechanism implements multiple audit control of device access, with a higher security level to ensure device security
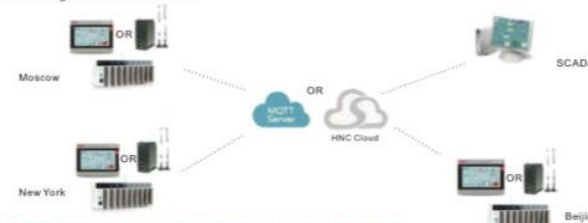
Further, the remote operation can also be set to be authorized and confirmed on the device itself to ensure the safety of the device site

Equipment remote centralized control & cloud data center
HMI/H-BOX and other devices can realize data interaction of remote devices through MQTT server;

Provide cloud data center function, without the need for users to build MQTT server, easily realize remote centralized control of equipment through cloud data center.

Support MQTT protocol & built-in MQTT server
Support MQTT protocol, support access to database server, easily realize data collection and reporting, and dock with ERP/MES and other systems.
Cloud HMI/H-BOX and other devices have a built-in MQTT server, which can turn on the MQTT proxy server to easily implement the MQTT Ad- Hoc network

K DIGITAL

7" IoT HMI High-Speed Type

MODEL	TFT SCREEN	MEMORY	LAN	USB	COM	WIFI	WLAN	HOLE SIZE W*H(mm)	PRODUCT DIMENSIONS W*H*D(mm)
HT3000-7	7" 800*480	4G+512M+SD	1	2	3				
HT3000-7W	7" 800*480	4G+512M+SD	1	2	3	Yes		193*138	200*146*37
HT3000-7E	7" 800*480	4G+512M+SD	1	2	2		4G/3G/2G		
HT3000-7EW	7" 800*480	4G+512M+SD	1	2	2	Yes	4G/3G/2G		

7" IoT HMI High Resolution Type

MODEL	TFT SCREEN	MEMORY	LAN	USB	COM	WIFI	WLAN	HOLE SIZE W*H(mm)	PRODUCT DIMENSIONS W*H*D(mm)
HT3000-H7	7" 1024*600	4G+512M+SD	1	2	3				
HT3000-H7W	7" 1024*600	4G+512M+SD	1	2	3	Yes		193*138	200*146*37
HT3000-H7E	7" 1024*600	4G+512M+SD	1	2	2		4G/3G/2G		

10" IoT HMI High-Speed Type

MODEL	TFT SCREEN	MEMORY	LAN	USB	COM	WIFI	WLAN	HOLE SIZE W*H(mm)	PRODUCT DIMENSIONS W*H*D(mm)
HT3000-10	10.1" 1024*600	4G+512M+SD	1	2	3				
HT3000-10W	10.1" 1024*600	4G+512M+SD	1	2	3	Yes		260*202	270*212*35
HT3000-10E	10.1" 1024*600	4G+512M+SD	1	2	2		4G/3G/2G		
HT3000-10EW	10.1" 1024*600	4G+512M+SD	1	2	2	Yes	4G/3G/2G		

K
DIGITAL

- **16 million true color TFT LCD, LED backlight, rich and real content. 4G Flash + 512M RAM**

- **Integrated HNC Cloud service, built-in HNC cloud engine.**

- **Support serial port / U disk / SD card / Ethernet / HNC cloud and other methods of program download Support third-**
- **party SCADA software programming management. Support cloud/mobile phone access control, strong operability**

- **Innovative A/B Key security mechanism, multilingual automatic translation, mobile payment support, weather forecast display**

- **Multi-screen networking. The innovative network networking method is easy, fast, convenient and practical. Support multiple terminal size screen custom display, multi-screen interactive management**

- **Support MQTT protocol. Can be connected to the database server, easily realize data collection and reporting, and dock with ERP/MES and other systems**

- **Support cloud transparent transmission. Can remotely program, upload and download, firmware upgrade, diagnosis, monitoring and debugging PLC program. Detect on-site abnormal conditions anytime and anywhere**

- **Support edge computing. Realize edge computing through the built-in script engine, function calculation, and interaction with device data in the terminal**

- **Support multiple third-party protocols. Built-in a variety of industrial equipment drivers, support the current mainstream PLC, inverter, instrument**

IoT BOX

- **4G Flash+512M RAM. Small size, multi-function, high cost performance**

- **Integrated HMI function, you can directly monitor the display screen through the mobile phone terminal/PC terminal instead of the HMI screen, the control is flexible and convenient**

- **Innovative A/B Key security mechanism, multi-unit network, database, multi-screen interaction, cloud camera remote monitoring and other functions**

- **Support MQTT protocol. Support access to database server, easily realize data collection and reporting, and dock with ERP/MES and other systems**

- **Rail mounting. With two Ethernet interfaces, supporting star, tree, and bus Ethernet networking**

- **Supports third-party SCADA. Built-in HNC cloud engine, integrated HNC cloud service, support cloud/mobile phone access control support edge computing. Realize edge computing through the built-in script engine, function calculation, and interaction with device data in the terminal**

- **Support cloud transparent transmission. Can remotely program, upload and download, firmware upgrade, diagnosis, monitoring and debugging PLC program. Supports various third-party protocols to detect abnormal conditions at any time.**

- **Built-in a variety of industrial equipment drivers, support the current mainstream PLC, inverter, instrument**

IoT BOX

IoT BOX

MODEL	MEMORY	LAN	USB	COM	WIFI	WLAN	PRODUCT DIMENSIONS W*H*D(mm)
H-BOX	4G+512M+SD	2	2	2	Yes		50*120*65
H-BOX-E	4G+512M+SD	2	2	2	Yes	4G/3G/2G	

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