HT3000-D4 Series
IoT Cloud HMI Catalog

Model List

Model	TFT Screen	Storage	LAN+COM	USB	Voice	WiFi	Wireless	Hole Size	Dimension W*H*D
HT3000-D4	4.3" 800*480HD	4G + 512M	1+2	1	Yes			132x80mm	137x85x30mm
HT3000-D4W		4G + 512M	1+2	1	Yes	Yes			
HT3000-D4E		4G + 512M	1+2	1	Yes		Global 4G		

Features

▶ HD screen. Built-in quad-core high-performance processor, smoother operation, faster speed, stronger stability.

▶ The real color and exquisite with IPS hard screen technology. Integrated design, full-view visual experience, immersive enjoyment.

▶ Provide exclusive maintain identity for equipment manufacturers, as well as exclusive enterprise platforms. More convenient for equipment vendors.

▶ Supports remote programming, download, diagnostics, monitoring and debugging of PLC programs

▶ Supported voice function, access microphone and loudspeaker via USB, Supported text-to-speech、voice broadcasting、intercom function、innovative device cloud voice

Multiple security protection mechanisms

Higher safety level with A/B Key+local confirmation safety mechanism,ensure the safe and stable operation of equipments.

Support for video playing

HMI built-in quad-core high-performance processor,can play video files in the USB flash drive. Supported MP4 video format, equipped with IPS hard screen technology,so that the video picture is more delicate and much smoother, color is

HMI built-in quad-core high-performance processor

Third party IoT Platform

Support access to third-party IoT platforms such ad Alibaba Cloud, Amazon, Google,etc.

Support data interconnection and distribution

By the Haiwell data interconnection tool, real-time data/historical data can be stored in databases such as MySQL/SQL Server, and data distribution is supported, help to generate various data reports.

Web API inerface

Third-party software and platforms can easily and securely obtain device data and control devices through the built-in Web API function using HTTP protocol, support real-time data push, support PHP, Java, C#, C++ languages. Support Internet and LAN network.

Support Cloud maintenance for equipment manufacturers

Provide exclusive maintain identity for equipment manufacturers, as well as exclusive enterprise platforms. More convenient for equipment vendors.

Support Cloud Data Center

No need to build an MQTT server to realize data collection and reporting, and connect to ERP/MES and other systems. Through Haiwell Cloud Data Center function, you can also flexible call of equipment variable data from various places, easy to realize remote centralized control of equipments.

Specification

Specification		4.3″
Software	Programming software	HTCloud Designer
Display	Display screen	4″TFT
	Resolution	800x480pixels
	Color	16.7M
	Brightness(cd/m²)	450Cd/m2
	Touch Type	Resistance touch screen
Storage	Flash	4GB
	RAM	512M
Backlight	Backlight Type	LED
	Backlight Life Time	> 30000H
	Automatic Dormancy	Support and Configurable
I/O port	4G	Optional
	WIFI	Optional
	Ethernet Port	10/100 Base-T
	COM port	COM1:R232 COM2:RS485
	USB HOST	USB2.0 x 1
	Print Port	COM1:R232 COM2:RS485
Power	Input power	24±20%VDC
	Power Consumption	< 6W
	Power Protection	Surge protection
	Voltage Resistance	500VAC
	Isolation Resistance	Exceed 50MΩ @500VDC
	Vibration Endurance	10~57HZ amplitude 0.075mm, acceleration 1G, X, Y, Z 10 times in triaxial direction
Enviroment	Cooling Type	Natural air Cooling
	Protection Structure	IP65
	Storage Temperature	-20 ~70℃
	Operating Temperature	-10℃ ~ 60℃
	Relative Humidity	10 ~ 90%RH (non-condensing)
Structure	Shell material	ABS + PC
	Shape size (WxHxD)	137x85x30mm
	Cutout size(WxH)	132x80mm
	Net weight	0.3kg

HNC Electric