

NEXA IOT

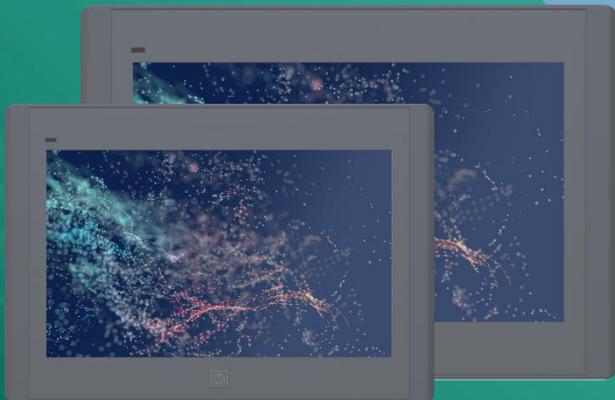
Your Partner in Smart Manufacturing

Future Factory In Today



2022

I4.0 Tech DAY



nHMI Series

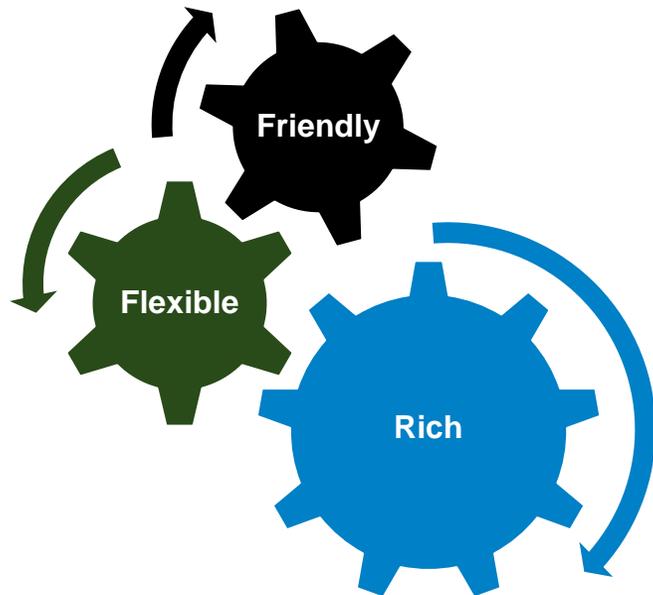
NexAloT Human Machine Interface

IoT Automation Product
Div.

What is nHMI and nHMI-Developer?

nHMI and nHMI-Developer

Stands for NexAloT Human machine interface



Rich

Rich graphical interface, users can simply plan and design

Flexible

Can run in a small HMI, or run in a large visual situation room

Friendly

Intuitive interface, easy to use



nHMI
NexAloT Human Machine Interface

Why you need nHMI?

nHMI and nHMI-Developer

Visualize Ready toolkits, that applicate for IoT, FA, MA, BA, Infrastructures and etc..
Learning it can make it easy to read, analyze and control.



Machine Automation



Factory Automation



Infrastructures



Build Automation



nHMI
NexAloT Human Machine Interface

nHMI Specifications

Blue LED power indicator



Full color TFT
Luminance 350 (cd/m²)
View angle 140/120 (H°/V°)
Backlight Lifetime up to 20,000 hours

Customizable home key
(min.100,000 cycles)

Model	nHMI-07L	nHMI-10M
Display / Backlight	TFT Color / LED	
Colors	64K	16.7M
Resolution	800X480	
Diagonal (inches)	7" widescreen	10.2" widescreen
Dimming	20 levels	
CPU	ARM9 (400 MHz)	ARM Cortex-A8 (1GHz)
Memory	128M Bytes NAND Flash	4G Bytes eMMC
DRAM/FRAM	128M/8K	512M/32K
COM1	RS232/422/485	
COM2	RS232/422/485	
COM3	RS232/485	RS232/485 or CAN bus (option)
Ethernet port	10/100 Mbit	
USB port	1 x Host, 1 x Device	
Real Time Clock	Yes	
Voltage	DC 24V ± 20 %, Isolated power	
Weight	0.68 Kg	1.1 Kgs
Operating Temp.	0°C ~ 50°C	
ESD Protection	Level 4 (Contact Discharge 8KV, Air-Gap Discharge 15KV), Class A	
Certification	CE/FCC (EN 61000-6-4, EN 61000-6-2)	

nHMI
NexAloT Human Machine Interface

nHMI Specifications

nHMI
NexAloT Human Machine Interface

DC Power
Isolated Design
24V ± 20%

GPIO

Pin	Signal
1	nSPI_CS0
2	nSPI_INT0
3	nSPI_CS1
4	nSPI_INT1
5	nSPI_CS2
6	nSPI_INT2
7	nSPI_CS3
8	nSPI_INT3
9	I2C1_SCL
10	I2C1_SDA
11	GND
12	3.3V
13	GND
14	GND
15	GND
16	GND
17	GND
18	GND
19	GND
20	GND

USB (master)

COM 1-3
Isolated Design
All support up to 187.5Kbps

Ethernet
1 & 2 (option)

USB (device)

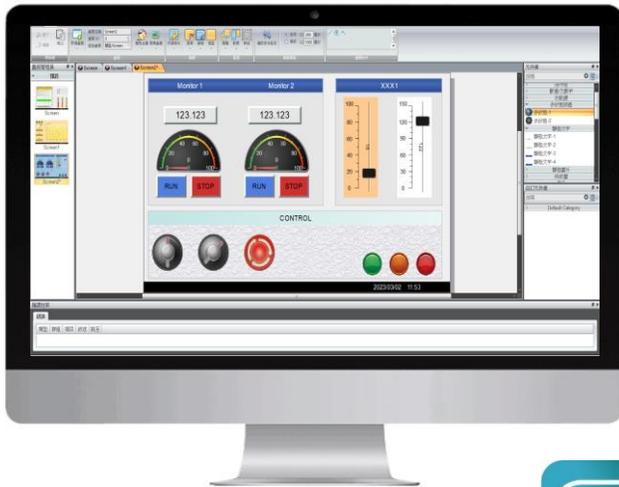
SD Card

WiFi

SW1	SW2	SW3	SW4	Main Function
ON	ON	ON	ON	Normal Operation
ON	ON	ON	OFF	Bypass Self-Test
ON	ON	OFF	OF	Reserved
ON	ON	OFF	OFF	System Menu
ON	OFF	X	X	Reserved
OFF	ON	X	X	COM Port Test
OFF	OFF	OFF	OFF	Bench Test
OFF	OFF	OFF	ON	Individual Function Test
OFF	OFF	ON	X	Reserved

nHMI-Developer the Smart Design

| Smart Design

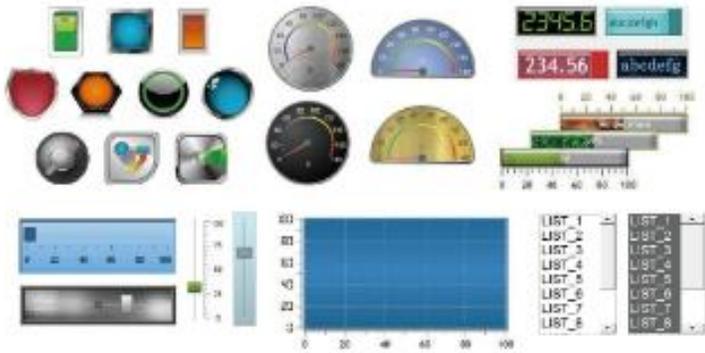


- Free Trial
- Flexible to use
- X86, Windows version
- Multi-language support
- Use the interface clearly and intuitive
- Develop projects with easy to reach functions and properties
- Multiple component libraries ,allow users to design freely
- Allow users to visit anywhere/anytime
- Support various automation protocols more 300+

nHMI
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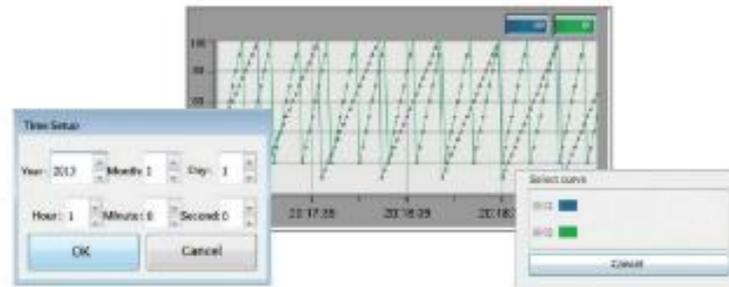
nHMI-Developer the Smart Design

| Smart Design



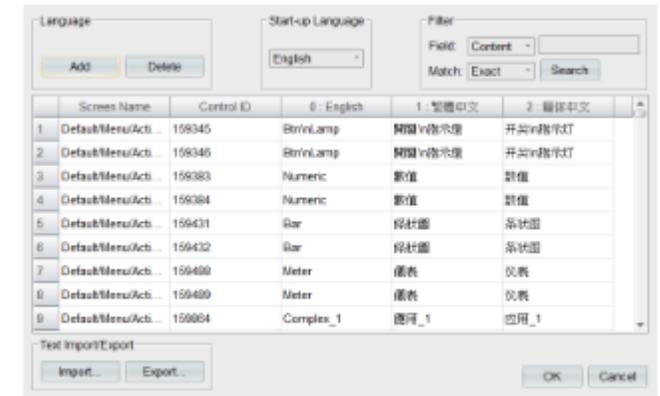
Widget Library

- Vector Graphic Library
- Dynamic Widget selection
- User Widget Library
- Theme-based Design



Chart

- XY Chart
- Trend Charts



Multi-Language Support

- support up to 16 different languages

nHMI-Developer the Smart Design

| Smart Design



Alarm

Offers a variety of alarm tables, actions that alarms can be set to trigger, alarm notification dialogs with actions to instantly perform troubleshooting tasks.

Data Log Backup

Data extracted by Data logger service can be further exported into .txt, .csv or, .pdf file formats according to your needs.

Security

Password supports alphanumeric input. File Protection dialog box contains two levels of security with “Project File Password” and “Compiled File Password”. “Password Retry Limit” can also be set.

nHMI-Developer the Smart Design

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Off-line and On-line Simulation

See how your application works with/without connection to controllers right on your PC without having to download to the HMI every time.

Download to nHMI

Quickly download projects to the HMI using any SD card or USB memory storage. Allowing the selection of any application files in the storage to download.

External Barcode Reader & Keyboard

Supports various barcode readers with USB or serial connection and the use of a USB keyboard.

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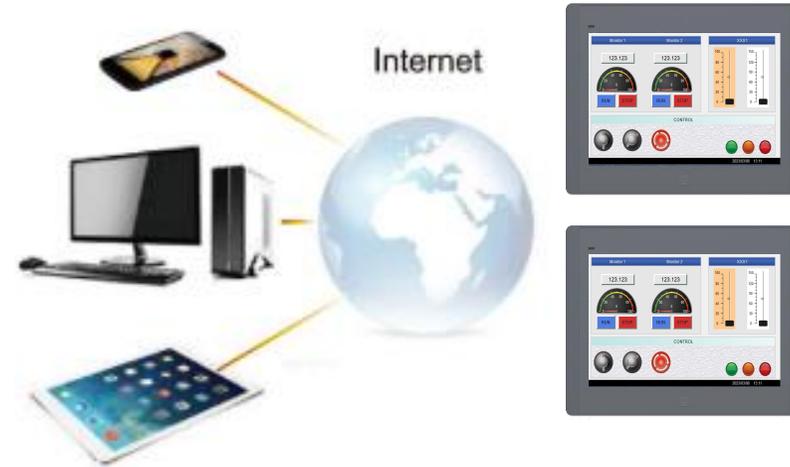
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FTP

Supports FTP protocols, allowing users to easily obtain HMI data logs, historical alarm tables, recipes, Screen captures, and to upload or download projects from or to HMI.



VNC

Via VNC connection, HMI can be monitored or accessed remotely by computer, smartphone or tablet, allowing users to be in full control anytime and anywhere.

nHMI-Developer PLC Driver List

Manufacturer/ Organization	Series	Support Models
Accessories	Led Controller	EV12048W1JX
	Scale	SKW-II
	Barcode Reader	All models
	Barcode Printer	All models
Allen-Bradley	Controllogix, CompactLogix Ethernet	All models
	MicroLogix DF1 RS232	All models
	MicroLogix Ethernet	All models
	Micro800/850 Ethernet	All models
	PLC5 DF1 CRC	All models
Beckhoff	TwinCAT 2/3 Runtime	All models
	TwinCAT 2/3 SoftPLC	All models
BACnet	BACnet IP Client	All models
	BACnet IP Server	All models
	BACnet MSTP Master	All models
CoDeSys	CoDeSys V3	Ethernet over ARTI
Delta	DVP	All models
FATEK	FBs/Fbe/B1/B1z	All models
	FBs/Fbe/B1/B1z TCP	All models
Hitachi	MICRO-EH/EHV UDP	All models
	MICRO-EH/EHV TCP	All models
	MICRO-EH/EHV	All models
HUST	H Series CNC Controller	H4D Series/H6D Series
	A6 CNC Controller	A6 Series
KEYENCE	KV-1000	All models
	KV-L20V Host Link/KV-nano	All models
	KV-3000/5000/5500 Series	All models
	KV-7300/7500/8000 Series	All models
KOYO	KV-NC1EP	All models
	SU/DL Series	All models
Lust	LustBus ServoC/CDE Series	All models
MODBUS	MODBUS ASCII Slave	All models
	MODBUS ASCII Master	All models
	MODBUS RTU Slave	All models
	MODBUS RTU Master	All models
	MODBUS TCP Slave	All models
MOTRONA	MODBUS TCP Master	All models
	MKS MC700 Motion Controller	All models

Mitsubishi	A Series/J71UC24 Computer Link	All models
	A Series/J71 for AnA/AnU	All models
	A Series/J71 Format4	All models
	FR Series/A700	All models
	FX Series	All models
	FX/FX2N Series Computer Link	All models
	FX2N Series	All models
	FX3U Series	All models
	FX3U Series Computer Link	All models
	FX3U Ethernet	All models
	Q Series	All models
	Q Series Computer Link	All models
	Q Series Ethernet	All models
	FX5U Ethernet	All models
Servo MR-J4	All models	
Omron	C Series	TPM1A, CP1E, CP1L
	CS/CJ Series	All models
	CS/CJ Series FINS TCP	All models
OPTEX	NX/NJ Series EtherNet/IP	All models
	CD33 Series Sensor	All models
Panasonic	CD5 Series Sensor	All models
	FP Series	All models
Siemens	S7-200	All models
	S7-200/300/1200/1500 (ISO on TCP)	All models
TECO	S5 PG Port	All models
	TP02/03 Series	All models
Toshiba	AC Servo TSDA Series	All models
	TMFCD91A	All models
Vigor	VB/VH/M Series	All models
	VS Series	All models
	VS TCP	All models
	VS UDP	All models
Yamatake	DCP30	All models
	DMC50	All models
	SDC35/SDC45	All models
YASKAWA	NX-D15/25	All models
	MP2000 Series Extension	All models
Yokogawa	MP3000 Series Extension	All models
	FA-M3 Series TCP	All models

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掃一下 發現更多



新漢智能 In Action-智...



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