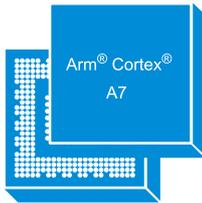# HMI

EH

EH series HMI is a human-machine interface with rich display, large memory, powerful configuration function and easy to use. It can easily realise the human-machine interaction function in various fields of industrial automation, and is widely used in manufacturing industry, water treatment industry, textile industry, packaging industry, woodworking industry, medical industry, food industry, agricultural industry and other industries.

EH Products Feature
HMI

High Performance

▶ Industrial-grade high-performance Cortex A7 processor, based on Linux system, stable and efficient operation, safe and reliable use.
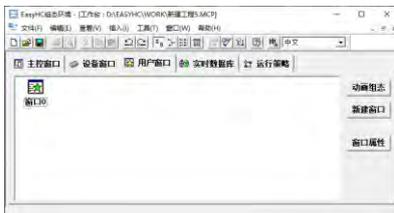
Arm® Cortex®
A7

Multiple communications

▶ Powerful communication capabilities, and the vast majority of PLC direct communication, while supporting the serial Modbus protocol, Ethernet communication.

▶ Supports 4G and WIFI expansion.

4G   Wi Fi

Convenient Configuration

▶ EasyHC configuration software is powerful, easy to learn, easy to use, rich gallery, support for customers to import the startup interface, supporting data acquisition and data alarm functions.

Safe and Reliable

▶ Industrial-grade design, stable operation and high capacity

▶ FLASH support large-capacity data storage permanently, no loss of power failure.

▶ Support U-disk data storage

EMHEATER

EH | Technical Parameter
HMI

	Model	EHMR0501NN	EHMR0501NE	EHMR0701NN	EHMR0701NE	EHMR1001NN	EHMR1001NE	EHMR1501NE
Display	Display	4.3"TFT	4.3"TFT	7"TFT	7"TFT	10.1"TFT	10.1"TFT	15.6"TFT
	Resolutions	480x272	480x272	800×480	800×480	1024×600	1024×600	1920*1080
	Brightness	400 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²	350 cd/m²	350 cd/m²	220 cd/m²
	Contrast	500:1	500:1	500:1	500:1	1000:1	1000:1	1000:1
	Backlight	LED	LED	LED	LED	LED	LED	LED
	Backlight Life	>30000h	>30000h	>30000h	>30000h	>35000h	>35000h	>50000h
	Color	24 bit	24 bit	24 bit	24 bit	24 bit	24 bit	24 bit
Touch	Touch Screen	4-wire resistive type		4-wire resistive type		4-wire resistive type		4-wire resistive type
	Touch accuracy	Length (x-axis) ±2%; Width (y-axis) ±2%		Length (x-axis) ±2%; Width (y-axis) ±2%		Length (x-axis) ±2%; Width (y-axis) ±2%		Length (x-axis) ±2%; Width (y-axis) ±2%
System	CPU	Cortex-A7 Dual core 1.2GHz		Cortex-A7 Dual core 1.2GHz		Cortex-A7 Dual core 1.2GHz		Cortex-A53 Quad-core 1.5GHz
	Flash	128MB		128MB		128MB		1GB
	RAM	64MB		64MB		128MB		8GB DDR3
	RTC	Built-in real-time clock		Built-in real-time clock		Built-in real-time clock		Built-in real-time clock
Communication	USB Host	USB 2.0*1		USB 2.0*1		USB 2.0*1		USB 2.0*1
	COM1	RS232		RS232		RS232		RS232
	COM2	RS422/RS485		RS422/RS485		RS422/RS485		RS422/RS485
	COM3	RS485		RS485		RS485		RS485
	Ethernet	-	10/100Mbps self-adaption * 1	-	10/100Mbps self-adaption * 1	-	10/100Mbps self-adaption * 1	10/100Mbps self-adaption * 1
	Optional	-	-	-	4G	-	4G	4G
Power Supply	Input Voltage	9-36±10%VDC		9-36±10%VDC		9-36±10%VDC		9-36±10%VDC
	Rated Power	3W (160mA@24VDC)		7W (240mA@24VDC)		10W (420mA@24VDC)		10W (420mA@24VDC)
	Power Isolation	Built-in		Built-in		Built-in		Built-in
	Power Interruption Tolerance	<5ms		<5ms		<5ms		<5ms
	Withstand Voltage	500VAC for one minute		500VAC for one minute		500VAC for one minute		500VAC for one minute
	Insulation Impedance	50MΩ@500VDC		50MΩ@500VDC		50MΩ@500VDC		50MΩ@500VDC
Structure	HMI Dimension	128*102*36mm		212*156*45mm		280*220*45mm		395*258*52mm
	Packed Dimension	155*155*55mm		255*205*80mm		320*270*80mm		480*315*82mm
	Hole	120*94mm		192*138mm		260*202mm		384*247mm
	Mounting	Panel Mounting		Panel Mounting		Panel Mounting		Panel Mounting
	Weight	About 0.4kg with inner box		About 0.9kg with inner box		About 1.4kg with inner box		About 2.7kg with inner box
	Shell Material	Engineering Plastics		Engineering Plastics		Engineering Plastics		Die-casting Aluminum
Environment	Vibration	10 to 25Hz（X axis、Y axis、Z axis 2G 30 minutes）						
	IP Grade	Panel：IP65；Rear cover：IP20						
	Temperature	0-50℃（32°-122°F）						
	Humidity	10~90%RH(No condensation)						
	Storage Temp.	−20-60℃（-4°--144°F）						
	Cooling	Natural Air Cooling						
	Software	Smart Manager PRO						

SOFT STARTER | ALL-IN-ONE | HMI | PLC | SERVO SYSTEM | INVERTER