



UniMAT UH500 series HMI

UH500 series are classical Human Machine Interfaces developed by UniMAT Automation Technology Co. Ltd., which include with Ethernet port and without Ethernet port. They work with function abundant configuration software "Uniface" which self-developed to provide user better visual effect and experience.

UH507

Characteristics:

Industry standard design, key components all adopt industry materials, performance stable, acclimatization ability strong, can long-time work reliably in bad environment.

Cortex-A8 CPU, main frequency 600MHz, Capacity 256MB, convenient for user to save amount of recipe data etc.

Multi interfaces, it can communicate by Ethernet, RS485 at the same time to organize complex network, one machine multi applications.

Interface:

Ethernet: supports MODBUS-TCP, upload/download configuration, supports multi-screens online.

USB Host: supports U flash saving configurations, updating firmware and configuring.

USB Slave: supports upload/download configuration.

RS485: supports MODBUS, PPI, MPI.



A8 600MHz



256M FLASH
+128M DRAM



24 bits color



USB HOST



Gallery includes more
than 2000 HD pictures



Ethernet and multi-
screens online



USB SLAVE



BYO buckles for
installation



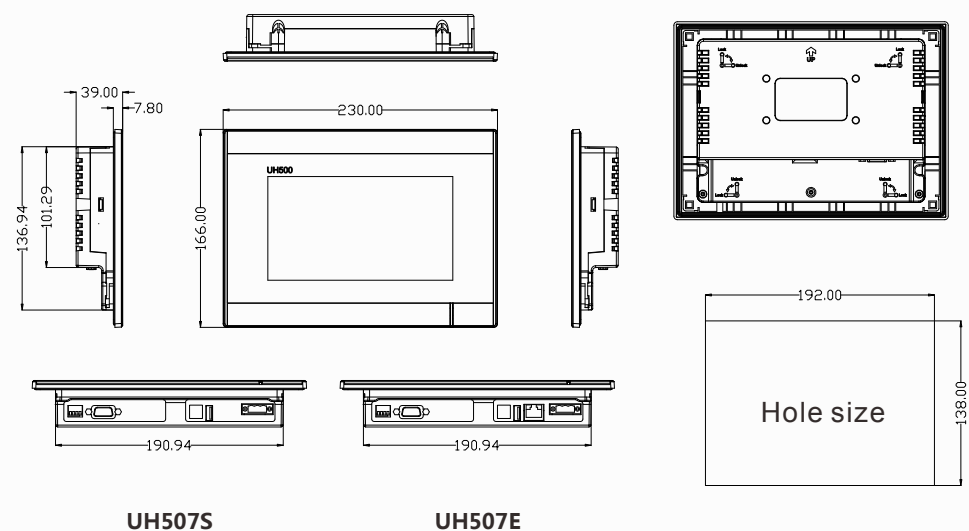
Deluxe appearance



Specification

Model	UH507E	UH507S
Part No.	UH507-4EU01-0AA0	UH507-1AU01-0AA0
Specification		
Display	7" TFT	
Display color	24 bits real color	
Resolution	800×480	
Backlight	LED	
Brightness	400cd/m2	
LCD life	30000 hours	
Touch panel	4-wires high precision resistance network	
CPU	600MHz 32bits	
Memory	256MFLASH+128M DRAM	
Real time	Yes	
USB HOST	USB2.0 × 1	
USB Slave	USB2.0 × 1	
Serial interface	COM1:RS485	
Ethernet	10M/100M self-adaption	N/A
DB9	Male, non-isolation, 3-B, 8-A, 5-GND	
Electronics specification		
Rated power	7.2W	
Rated voltage	DC24V	
Input range	20.4~28.8VDC	
Allowed poweroff	10ms	
Insulation resistance	>500MΩ@500V DC	
Withstand voltage	500VAC1 min	
Structure specification		
Housing color	Deep grey+silvery	
Housing material	ABS+PC plastic & Metal bar	
Housing dimension	230x166x39mm	
Hole size	192x138mm	
Weight	1.3Kg	
Environment specification		
Working temperature	0 ~ 50°C	
Working humidity	10 ~ 90% RH (non-condensing)	
Storage temperature	-20 ~ 60°C	
Storage humidity	10 ~ 90% RH (non-condensing)	
Anti-vibration	10-25Hz(XYZ direction 2G/30 minute)	
Cooling	Natural air cooling	
Certificates		
Protection grade	Front panel accords with IP65	
CE	EN61000-6-2:2005/EN61000-6-4:2007	

Appearance and hole size(unit:mm)



Serial port communication

Pin	Definition	Connection protocol	Communication speed
		PPI	9.6 , 19.2 , 187.5 kbit/s
		MPI	19.2 , 187.5 kbit/s
		MODBUS	2.4 , 4.8 , 9.6 , 19.2 , 38.4 , 57.6 , 115.2kbit/s

LED indicator

Color	Description
Green	Communication indicator, flicker when normal, off when error
Blue	Power indicator, lighting means power is normal

Order information

Model	Specification	Part No.
UH507E	24VDC 7" 1 USB Host 1 USB Slave, 1 RS485 1 RJ45	UH507-4EU01-0AA0
UH507S	24VDC 7" 1 USB Host 1 USB Slave, 1 RS485	UH507-1AU01-0AA0