

# HMI Intelligent Terminal Series

## U7 Series Model & Specification

**A17  
Quad Core**



**Model – U7**

**HMI88-CT043**

**HMI88-CT050**

**HMI88-CT070**

**HMI88-CT101**

OS		Android / Linux QT (optional)			
CPU		Cortex A17 RK3288 , 4 cores / 1.8GHz			
Memory	RAM	Support 2G/4G DDR3 memory. Standard: 2GB			
	Flash	Support 16/32GB iNand Flash. Standard: 16GB eMMC			
	SD	Support TF SD card (4G~64G)			
Display	Screen size	4.3"	5"	7"	10.1"
	Ratio	16 : 9	16 : 9	16 : 9	16 : 9
	Resolution	480×272	800×480	1024×600	1280×800
	Interface	RGB	RGB	LVDS	LVDS / MIPI(optional)
	Brightness	450Lum	400Lum	400Lum	350Lum
	Backlight	LED	LED	LED	LED
Touch Pad		Capacitive touch, P+G structure, surface hardness is 2H; (for open frame) G+G structure, surface hardness is 6H. (It depends on the HMI selected)			
Communication Interface	Ethernet	1 built-in 1000M Ethernet to achieve remote data transmission and remote table control			
	WiFi+BT	Embedded 2.4G WIFI+BT4.0 Bluetooth ( Standard ) ; Dual-band 2.4G/5.8G WiFi (Optional)			
	4G	/	/	✓(Optional)	✓(Optional)
I/O	USB	USB HOST 2.0*2 / USB OTG*1, USB HOST 2.0 for system update as well as externally connect to mouse, USB flash drive and the device with USB interface.			
	HDMI	/	/	✓	✓
	Serial port	RS232*3/RS485*1(standard). USB to RS485*1 (optional) You can also choose three modules of RS232 *4, RS232*2/RS485*2, TTL(5V/3.3V) RS232*4.			
	CAN	✓ (optional)			
	GPIO	16 sets of IO input/output, 8 input and 8 output ( standard ) . The 8 input were PMW*1 ( PIN*1), SPI*1 ( PIN*4), ADC*1 ( PIN*1), IIC*1 ( PIN*2) (optional)			
	Buzzer	built-in			
	Speaker	/	/	✓ (optional)	✓ (optional)
	Microphone	/	/	✓ (optional)	✓ (optional)
Power	Input	6V-30V wide-range voltage supply			
Working Environment	Working Temperature	-10℃ - 60℃			
	Storage Temperature	-20℃ - 70℃			
	Working Humidity	45%-80%RH			
Physical Specifications	Shell Material	Open Frame	Aluminum alloy (standard) / Open Frame(optional)		
	Mainboard Size	123.6 x 81.8 mm		165.0 x 100.0 mm	
	LCD Driver Board Size	123.6 x 81.8 mm	136.8 x 87.8 mm	185.0 x 110.0 mm	254.8 x 169.0 mm

\* U7 series features open frame design, can be made to spec upon request.