AirHMI 7" HMI - Panel PC

AIRPANEL2

Overview

AirHMI is a Human Machine Interface（HMI） Solution for HMI GUI project development, combining a built-in processor and memory touchscreen with AirHMI Editor software. Using the AirHMI Editor software, you can quickly develop HMI GUI with C-based instructions to drag and drop components (button, label, picture, etc.) and code how the components interact on the display side. The AirHMI HMI display connects to the peripheral MCU via RS485 and 24V supply to provide event notifications that the MCU can act on, the MCU can easily update progress and status back to the AirHMI display using instructions.

AirHMI HMI Panel Pc supports modbus RTU over Rs485, allowing you to manage your modbus devices.

Package include:

*AirHMI HMI PANELPC

AirHMI Models

AirHMI Type	HMI Panel PC
AirHMI Models	AIRPANEL2

Specifications

	Data	Description
Color	65K 65536 colors	16 bit 565, 5R-6G-5B
Layout size	210mm(L)×150mm(W)×40(H)	AIRPANELPC
Active Area (A.A.)	95.04mm(L)×53.86mm(W)	
Resolution	800×480 pixel	
Touch type	Resistive	
Touches	> 1 million	
Backlight	LED	
Backlight lifetime (Average)	>30,000 Hours	
Brightness	350nit	

Electronic Characteristics

	Test Conditions	Min	Typical	Max	Unit
Operating Voltage		9	24	26	V
Operating Current	VCC=+24V, Brightness is 100%	–	200	–	mA
Power supply recommend	24V, 1.0A, DC				

Working Environment & Reliability Parameter

	Test Conditions	Min	Typical	Max	Unit
Working Temperature	24V, Humidity 60%	-20	25	70	˚C
Storage Temperature		-30	25	80	°C
Working Humidity	25°C	10%	60%	90%	RH

Interfaces Performance

	Test Conditions	Min	Typical	Max	Unit
Serial Port Baudrate	Standard	600	9600	115200	bps
Serial Port Mode	RS485 (A B)				
Serial Port	2Pin_3.81mm				
USB interface	NO				
SD card socket	Yes (FAT32 format), support maximum 32G Micro SD Card				
	* presence of *.tft file on microSD: socket is exclusive to upgrade AirHMI firmware/HMI design				
RTC	built-in RTC support (Battery type: CR2032)				

Memory Features

Memory Type	Test Conditions	Size	Unit
FLASH Memory		32	MB
RAM Memory		32	MB

Audio Features

Speaker	Parameter	Min	Typical	Max	Unit
Power	–	-	1	-	W
Buzzer					