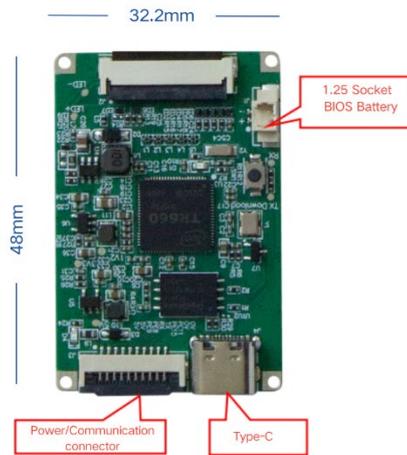


TDO New Product Line | TR660 mini board series products

TR660 mini board, newly launched by TDO can be equipped with different sizes of screens to meet the needs of different sizes of serial ports. The mini board is in size of 32.2*48.0*1.0mm. It's small and delicate, easier to integrate, save terminal space, can meet more structural designs of customers.



Pin Name	Type	Reset state	Internal Configurable Pull-up and Pull-down Resistors	Default drive capability (mA)	Voltage	Function
5V	INPUT	-	-	-	-	POWER-INPUT,DC5V
5V	INPUT	-	-	-	-	POWER-INPUT,DC5V
PE9	I/O	-	-	-	-	GPIO-PE9
PE8	I/O	-	-	-	-	485-DIR
RX	-	-	-	-	3.3V	UART6-TX, to users' RX
TX	-	-	-	-	3.3V	UART6-RX, to users' TX
PE15	I/O	-	-	-	-	AUDIO-PA-EN ((High with no audio output, low with audio output)
PE11	I/O	-	-	-	-	SPK (Connect to audio amplifier)
0V	POWER	0V	-	-	0V	POWER-GND
0V	POWER	0V	-	-	0V	POWER-GND

Functional Characteristics

- Support audio, video and RTC
- Supports two serial ports by customization
- 3.3V TTL, can expand RS485.
- Bluetooth, WIFI function can be added
- Type-C interface, easier firmware and UI upgrade
- 60M RAM reserved, facilitate UI storage
- Standard plug-in:10 pin FPC 1.0mm
- Supports IO interface for customer DIY control switches (input/output)

Software

Equipped with TDO developed software: Giraffe

- Customers can DIY programs and interfaces
- C language development environment, providing rich API interfaces
- Display multiple controls. Integrated graphics acceleration, hard solution, 2D acceleration, JPEG/PNG decoding, greatly improving the speed and efficiency of image processing

Size	Resolution	Type	Model No.
2.1"	480*480	Circular	TY021WVL02NF
			TY021WVL02CF
3"	320*640	Landscape	TY030NHL02NF
4"	480*480	Square	TY040WVL02CF
		Square	TY040HDL02NF
	720*720		TY040HDL02CF
		Circular	TY040HDL04NF
TY040HDL04CF			
3.4"	480*480	Square	TY034WVL02NF
			TY034WVL02CF
	800*800	Circular	TY034HDL02NF
3.99"	400*960	Landscape	TY040FWL02NF
5"	480*854	Landscape	TY050FWL02NF