Payment Terminal A10-T

The A10-T is a compact payment terminal, designed to support financial inclusion scenarios as well as innovative payment schemes in mature markets.

Specification

Processor	Microchip SAMA5D28	
Memory	DDR2 128MB	
Storage	Flash 256MB	
Display	2.8” IPS 320x240	
OS	Linux	
Audio	Buzzer (Default) Speaker x1 (PCBA Reserved) Buzzer Sound Pressure Level:70 dB/10cm(2.5KHz)	
Reader		
Magnetic Card Reader	Bi-directional, support triple tracks ISO7811 Speed 5 to 40 IPS 1,000,000. swipe times	
Smart Card Reader	ISO7816, T=0 , T=1 EMV Level 1, Support 5V/~~3V~~ 500,000. inserted times	
Contactless	ISO14443A&B, MIFARE HW Ready for NFC	
Printer	384dots/lines,105mm/s paper roll 58mm x Ø 40 mm paper thickness 60-80um	
3G/4G (optional)	ME3630 (for FCC ID: TFJA10-T-ME) GM500-U1A (for FCC ID: TFJA10-T-GM)	
I/O Connector		
RJ11	RS232 x1 RI (as VCC5V/9V by cable), Baud rate 115200 bps	
RJ11	RS232 x1 RI (as VCC 9V), RTS/CTS, Baud rate 115200 bps	Modem x1(default) V.92, V.32bis, V80 14400, 12000, 9600,7200 BPS
RJ45	x1 (Ethernet) 10BASE-T/100BASE-T	
USB	USB1 x1 Host USB2 x1 Host\Device (detect pin) (USB port A for SAMBA) USB2.0	

DC Jack	x1
SAM	X0, x4(optional)
SIM	x1 (optional)
Debug console	2.54mm Head X1(2pin)
LED indicator	Mono, Green X4 for EMV
Keypad	Rubber Keys *18 (Func. keys*3, STD Keys *15)
Environment	
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +70°C
Humidity	5% to 90%
Reliability Requirements	
MTBF	100,000 hours
Drop test	76 cm without damage
ESD	Air：+/-15KV Contact：+/- 8KV
Key button	1M times
Battery Life	5 years
SW requirement	
EMV card Logo	Card brand logo on LCD

Installation guide (USB Interface)	
1	Plug the adapter.
2	Plug the USB cable to the USB port of PC.
3	Install the driver


A10
MENU
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FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information (SAR)

This device meets the government’s requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.