

Andino Terminal / Andino Terminal XL Data Sheet

Internal Components

- CPU: Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
- RAM: 2GB LPDDR4-3200 SDRAM
- RTC: Dallas Semiconductors – DS3231 Accuracy: ± 2 ppm between 0 °C and +40 °C

Connectivity

- RS232 (not galvanically isolated)
- RS485/422 (galvanically isolated)
- CAN-Bus
- Gigabit Ethernet
- 2x USB 3.0 / 2x USB 2.0
- Wifi 5 (802.11ac)
- Bluetooth 5
- 2x Micro HDMI (up to 4k60)
- 3.5mm Audio

Inputs/Outputs

- 6x [24V digital inputs](#) (galvanically isolated) – supports both active mode (with external power) or dry contact mode
- 3x [relay output](#) (250V, 5A)

Power Options

- 24V DC Power Input
- Power Fail Input (enables automatic shutdown on failed power)
- User IO options
- 3.5" 480x320 Nextion NX4832T035_011 touch screen display
- 6 programmable function keys with changeable labels
- Number pad with keys 0-9, Esc, Backspace
- Arrow up, arrow down, OK keys
- Acoustic beeper
- RFID sensor
- Temperature sensor (DS18B20 1 Wire Digital Thermometer)

Software

- [Raspberry Pi OS](#) pre-installed
- Nextion Display programmable through [Nextion Editor](#)
- Andinopy software for controlling common usage scenarios without previous setup

Housing

- Andino Terminal:
 - Outside: 27.5cm * 17cm * 10.5cm
 - Inside: 21cm * 13cm * 2-9cm (sloped)
- Andino Terminal XL:
 - Outside: 35.5cm * 25cm * 15.5cm
 - Inside: 30.5cm * 20.5cm * 14cm

Further information and resources on andino.systems/terminal