Andino X1 Pico RS485/422 – Datasheet

	Raspberry 4:	Raspberry CM4 with Andino CM4 Adapter
SoC	Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz	Broadcom BCM2837B0, Cortex-A53 (ARMv8) 64-bit SoC @ 1.4GHz
RAM	4GB LPDDR4-3200 SDRAM	4GB LPDDR2 SDRAM
Flash	None	32GB eMMC Flash
PCIe	None	Interla PCIe X1 Port. Can be used for M.2 SSD via Adapter
WiFi	2.4 GHz and 5.0 GHz IEEE 802.11ac wireless	None
Bluetooth	Bluetooth 5.0, BLE	None
Ethernet	Gigabit Ethernet	Gigabit Ethernet over USB 2.0 (max. throughput 300 Mbps)
Connectivity	2 USB 3.0 ports; 2 USB 2.0 ports. Raspberry Pi standard 40 pin GPIO header 2 × micro-HDMI ports (up to 4kp60) Micro-SD card slot (accessible from outside Andino housing)	2 USB 2.0 ports external 1USB 2.0 port internal Full-size HDMI Extended 40-pin GPIO header
Delivery	Andino IO, RaspberryPi 4, Breadboard, DIN rail Housing	Andino IO, CM4, Breadboard, DIN rail Housing

all variants			
Power Supply	Wide range DC input 9-24V, Out: 5V, 3,5A	**Microcontroller type**	Raspberry Pico RP2040
I/O`s	2 galvanic Isolation Inputs (isolated up to 5kV) 2 Relay Outputs (max. 24V, 1 A)	**RTC**	Integrated, battery-buffered Real Time Clock, DS3231 Dallas Semiconductors Accuracy: ± 2ppm between 0 °C and +40 °C
EMC	DIN EN 61000-6-2/3	**Dimensions (H x B x T)**	115 mm X 108 mm x 60 mm
Housing variant	Top-hat rail housing (plastic)		

See all Information about Andino X1 under Andino X1 - Overview & Datasheet.pdf| Andino X1 - Industrial Raspberry Pi PC | Andino

EMC -Report https://andino.systems/andino-x1/emc/ANDINO-X1-EMC-Report.pdf

ROHS – Report https://andino.systems/andino-x1/emc/ROHS-X1.pdf

REACH-Report https://andino.systems/andino-x1/emc/REACH-Clear%20Systems.pdf

NXP SC16IS752	
Power supply	3.3V
Protocol	RS485/422
Temperature	-40°C to +95°C
Interface	I2C/SPI Bus selectable
FIFO	64 Bytes FIFO (transmitter and receiver)
Baud rate	Baud rates up to 5 Mbit/s
Features	Automatic RS-485 support Automatic slave address detection RS-485 driver detection control inversion 5V tolerant inputs

See all Information about NXP SC16IS752 under https://www.nxp.com/docs/en/data-sheet/SC16IS752_SC16IS762.pdf