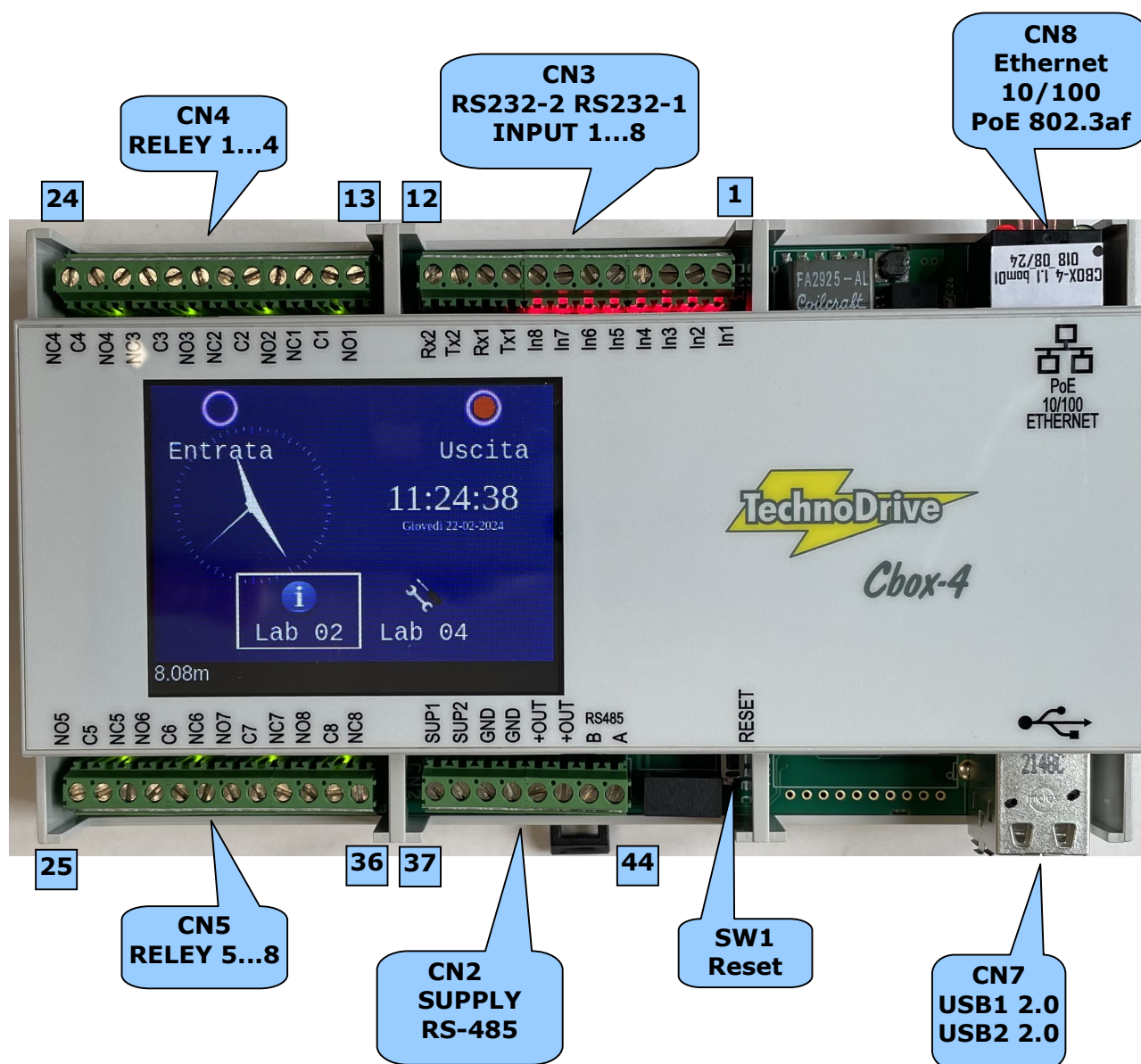


Cbox-4

Technical Manual

rel 1.1_4



SW1:

Button RESET switch

- press 1 second to RESET

press 6 second to RECOVERY mode, wait black and white screen, "recovery xx%" appears, after that press:

"OK=Def" ip=192.168.0.1 TCPport=4660 ID=01 WEBport=80

"Up=Loc" ip=conf.#0045 port=conf.#0049 ID=conf.#0001 WEBport=conf.#0091



Progettazione e Realizzazione Apparecchiature Elettroniche

CN8:

Ethernet 10/100 connector, Auto-MDIX, PoE IEEE 802.3af

RED led Power supply ON

GREEN led Link

CN7:

USB 2.0 HOST port

UPPER connector for UMTS ,WIFI , BLE dongle

LOWER connector for BIOMETRIC , SCANNER

CN4:

pin-13	RELAY_1 NO	(MAX 5A@100V)
pin-14	RELAY_1 C	(MAX 5A@100V) , GREEN led ON
pin-15	RELAY_1 NC	(MAX 5A@100V)
pin-16	RELAY_2 NO	(MAX 5A@100V)
pin-17	RELAY_2 C	(MAX 5A@100V) , GREEN led ON
pin-18	RELAY_2 NC	(MAX 5A@100V)
pin-19	RELAY_3 NO	(MAX 5A@100V)
pin-20	RELAY_3 C	(MAX 5A@100V) , GREEN led ON
pin-21	RELAY_3 NC	(MAX 5A@100V)
pin-22	RELAY_4 NO	(MAX 5A@100V)
pin-23	RELAY_4 C	(MAX 5A@100V) , GREEN led ON
pin-24	RELAY_4 NC	(MAX 5A@100V)

CN5:

pin-25	RELAY_5 NO	(MAX 5A@100V)
pin-26	RELAY_5 C	(MAX 5A@100V) , GREEN led ON
pin-27	RELAY_5 NC	(MAX 5A@100V)
pin-28	RELAY_6 NO	(MAX 5A@100V)
pin-29	RELAY_6 C	(MAX 5A@100V) , GREEN led ON
pin-30	RELAY_6 NC	(MAX 5A@100V)
pin-31	RELAY_7 NO	(MAX 5A@100V)
pin-32	RELAY_7 C	(MAX 5A@100V) , GREEN led ON
pin-33	RELAY_7 NC	(MAX 5A@100V)
pin-34	RELAY_8 NO	(MAX 5A@100V)
pin-35	RELAY_8 C	(MAX 5A@100V) , GREEN led ON
pin-36	RELAY_8 NC	(MAX 5A@100V)

TECHNODRIVE Srl -Via E.Ferrari, 7 20010 Arluno (MI) Tel. 02/903.77.887

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Progettazione e Realizzazione Apparecchiature Elettroniche

CN2:

pin-37	Supply_1	(8..24Vdc/8..18VAC 15VA max) * without PoE
pin-38	Supply_2	(8..24Vdc/8..18VAC 15VA max) without PoE
pin-39	GND	
pin-40	GND	
pin-41	+OUTPUT	(1A max) (NOT available with PoE supply) *
pin-42	+OUTPUT	(1A max) (NOT available with PoE supply) *
pin-43	Isolated RS-485_ "B"	(COM4 RS-485)
pin-44	Isolated RS-485_ "A"	(COM4 RS-485)

* Recommended 1A external Fuse

CN3:

pin-1	INPUT_1	(close to GND to activate, RED led ON)
pin-2	INPUT_2	(close to GND to activate, RED led ON)
pin-3	INPUT_3	(close to GND to activate, RED led ON)
pin-4	INPUT_4	(close to GND to activate, RED led ON)
pin-5	INPUT_5	(close to GND to activate, RED led ON)
pin-6	INPUT_6	(close to GND to activate, RED led ON)
pin-7	INPUT_7	(close to GND to activate, RED led ON)
pin-8	INPUT_8	(close to GND to activate, RED led ON)
pin-9	COM1 RS232_TX	(output data from COM1)
pin-10	COM1 RS232_RX	(input data to COM1)
pin-11	COM2 RS232_TX	(output data from COM2)
pin-12	COM2 RS232_RX	(input data to COM2)

Technical characteristics:

- *CPU* Microprocessor Dual Cortex-A7 800MHz
- *RAM* 2x512Mbyte DDR3 533MHz, 32bits data bus
- *FLASH* 8Gbyte FLASH + 128Mbyte SLC FLASH
- *RTC* High precision
- *SERIAL PORTS* 2xRS232, 1x Isolated RS-485
- *USB* 2xUSB 2.0 HOST
- *ETHERNET* 1x ETHERNET 10/100 with PoE IEEE 802.3af
- *OUTPUTS* 8xRELAY 5A@100V (Green led)
- *INPUTS* 8xINPUT NPN (Red led)
- *SUPPLY* 8..24Vdc/8..18VAC 15VA max
- *POWER* 10W max (no OUTPUT load)
- *DISPLAY* IPS 320 x 240 16bits color
- *TOUCH SCREEN* resistive
- *SOUND* Monotone Buzzer (polyphonic audio **optional**)
- *DIMENSIONS* (W x H x D) mm 160 x 91 x 33 DIN (EN60715)
- *WEIGHT* 300g

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