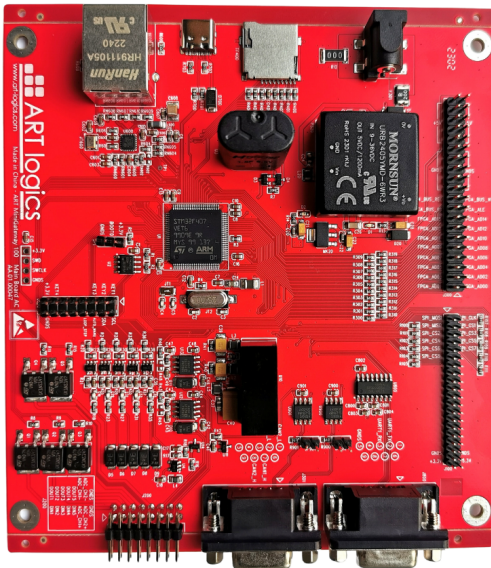![ART logics logo](www.art-logics.com)

CAN Tool 2ch

- *Real-Time commands sequencer and controller with a USB communication interface.*
- *Offers Ethernet, CAN, Analog inputs, Digital inputs and outputs channels.*
- *Plug and play extendable modules of a variation of resources (Voltage IOs, Digital IOs, Frequency IOs, Relays, CANs, LINs).*
- *Programmable power supply control via RS232.*
- *Supports SCPI, Modbus and other communication protocols.*
- *Built in SD Card to store sequences and run as a standalone device.*
- *Comes with a user-friendly graphical software, C# API and LabVIEW VIs to create sequence plans and view results.*

Overview:

The CAN board from ART logics is a controller used to run a configurable set of commands or sequences of commands to control a set of extendable resources in a Real-Time and synchronized environment.

The user can interface with the Mini Gateway 100 Board using the ART Logics Software, C# API or the LabVIEW VIs which offers an integrated and reliable solution to perform and automate different functions such as calibration, R&D debugging, validation, testing, etc.

Detailed Specifications:

The Mini Gateway 100 Board can communicate with a host over a USB 2.0 in Full Speed, or over an IP network using TCP with a 100 Mbps Ethernet Link. In each case, the communication between the host and the board uses the same protocol; only the medium carrying the data varies.
Once the sequence plans are configured and uploaded to the board, it is capable of running in a standalone manner without the intervention of a host with the help of the SD Card.

The board offers also a RS232 interface with a configurable baudrate to control an external power supply via SCPI.

The following list represents the resources available in the Mini Gateway 100 board:

Resource	Channels	Specifications
CAN	2	Configurable terminal resistance (None or 120Ω). Configurable Baud rate up to 1 Mbit/s.
Digital Inputs	5	Logic low is between 0v and 1.23v Logic high is between 3.3v and 5v
Digital Outputs	5	Push-pull Logic low is 0v Logic high is configurable.
Analog Inputs	2	Differential range between -5v and 5v.
Extendable Modules	1	48 Voltage Inputs. 48 Voltage Outputs. 96 Relays. 6 CANs and 6 LINs.

Communication Interface	Parameters
Ethernet	TCP/IP 10/100 Mbps link
USB-C	USB 2.0 5V Power
RS-232	Baudrate up to921600 bps

Power Requirement

DC power supply:

5VDC, 1A

Physical:

Dimension:

L*W*H = 128mm*115mm*28mm

Operating temperature:

-20 °C ~ +60 °C