NAUGRA®

Product name:	Product code:
ARM Cortex-M Microcontroller Trainer	CMI-NP-0975



Description

An ARM Cortex-M microcontroller trainer with GPIO, ADC, timers, UART and display modules, used to teach embedded programming and interfacing in electronics and mechatronics courses.

Technical specification

ADC	12 bit, 8 channels
Communication	UART, SPI, I2C, CAN
Programming	USB, SWD
Experiments	20 or more
Power supply	230 V AC, 50 Hz

Standard Accessories

- USB cable
- Software CD

The trainer carries an ARM Cortex-M board with on-board peripherals and interface sockets. Students write C programs, download through USB and see the results on LEDs, LCD and motors.

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Features

- 32-bit ARM Cortex-M core board
- On-board LEDs, switches, LCD and buzzer
- ADC, DAC, PWM, UART, SPI and I2C interfaces
- USB programming and debug
- Peripheral interface headers
- Experiment manual with sample programs

Technical Specifications

Microcontroller	ARM Cortex-M4, 168 MHz
Flash / RAM	512 KB / 128 KB
Display	16 x 2 LCD
Digital I/O	32 lines with LEDs and switches