

Item no.: 358654

AFX00002 - Opta WiFi micro PLC with industrial IoT capabilities

from **203,86 EUR**

Item no.: 358654
shipping weight: 0.20 kg
Manufacturer: Arduino



Product Description

Arduino Opta is a secure, easy-to-use micro PLC with Industrial IoT capabilities.

Designed in partnership with Finder – leading industrial and building automation device manufacturer – Opta allows professionals to scale up automation projects while leveraging the Arduino ecosystem. Supporting both Arduino sketch and standard PLC languages, including LD (Ladder Logic Diagram) and FBD (Function Block Diagram), it was designed with PLC engineers in mind.

Its powerful STM32H747XI dual-core Cortex®-M7 +M4 MCU allows users to perform real-time control, monitoring and implement predictive maintenance applications.

Secure and durable by design, it supports OTA firmware updates and ensures data security from the hardware to the Cloud thanks to the onboard secure element and X.509 Standard compliance.

All while maintaining Arduino Pro's signature easy deployment in production thanks to a vast range of readily available software libraries and Arduino sketches.

Last but not least, various connectivity options make keeping everything under control effortless via real-time dashboards combined with the intuitive Arduino Cloud (or third-party services).

Opta comes in three variants so you can choose the best option for your project. Opta WiFi features Ethernet onboard and USB-C programming ports, RS485 half duplex connectivity interface, and Wi-Fi/Bluetooth® Low Energy connectivity.

- Input: 8x configurable digital/analog (0-10 V) input
- Processor: STM32H747XI Dual ARM® Cortex®: Cortex -M7 core up to 480 MHz, Cortex -M4 core up to 240 MHz
- Connectivity: Support 10/100 Ethernet (TCP/IP or Modbus TCP); USB-C; Wi-Fi + Bluetooth® Low Energy; RS485 half duplex
- Memory: 1 MB RAM (programming); 2 MB internal + 16 MB Flash QSPI
- RTC: Typical 10 days power retention at 25°C; NTP sync available through ethernet
- IP protection: IP20
- Output: 4x relays (250 V AC - 10 A)
- Programming languages: Arduino programming language via IDE; IEC-61131-3: Ladder Diagram (LD), Function Block Diagram (FBD), Sequential Function Chart (SFC), Structured Text (ST), Instruction List (IL)
- Security: ATECC608B Secure element
- Supply voltage: 12-24 V DC
- Operating temperature: -20°C to +50°C (-4°F to 122°F)
- Certifications: cULus listed, ENEC, CE

Specifications

Scan this QR code to
view the product

All details, up-to-date
prices and availability

