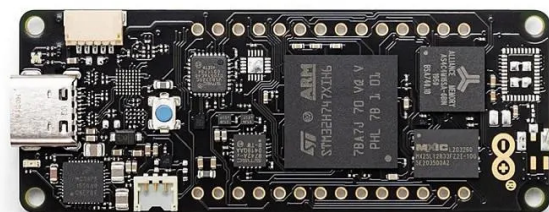**Item no.:** 353157
ABX00045 - Portenta H7 Lite Cloud-compatible Board

from **81,83 EUR**

Item no.: 353157
shipping weight: 0.10 kg
Manufacturer: Arduino

📄 Product Description

Portenta H7 Lite Cloud-compatible Board

Portenta H7 Lite allows you to build your next smart project. Ever wanted an automated house? Or a smart garden? Well, now it's easy with the Arduino IoT Cloud-compatible boards. It means: you can connect devices, visualize data, control and share your projects from anywhere in the world. Whether you're a beginner or a pro, Arduino has a wide range of plans to make sure you get the features you need.

The Portenta H7 Lite is a cost-effective solution, designed for complex environments where radio communication is not suitable or possible. It is perfect for developers who want to leverage the computational power of the Portenta H7, without the need for video output or advanced security features.

The Portenta H7 Lite simultaneously runs high-level code and real-time tasks thanks to its two processors. For example, it can execute Arduino-compiled and MicroPython code at the same time, and have the two cores communicate with one another.

- Microcontroller: STM32H747XI dual Cortex®-M7+M4 32bit low power Arm® MCU
- Secure element (default): Microchip ATECC608
- Board power supply (USB/V in): 5 V
- Supported battery: Li-Po single cell, 3.7 V, 700 mAh minimum (integrated charger)
- Circuit operating voltage: 3.3 V
- Current consumption: 2.95 ?A in standby mode (backup SRAM OFF, RTC/LSE ON)
- Timers: 22x timers and watchdogs
- UART: 4x ports (2x with flow control)
- Ethernet PHY: 10/100 Mbps (through expansion port only)
- SD card: Interface for SD card connector (through expansion port only)
- Operational temperature: -40°C to +85°C
- MKR headers: Use any of the existing industrial MKR shields on it
- High-density connectors: 2x 80-pin connectors will expose all of the board's peripherals to other devices
- Camera interface: 8-bit, up to 80 MHz
- ADC: 3x ADCs with 16-bit max. resolution (up to 36 channels, up to 3.6 MSPS)
- DAC: 2x 12-bit DAC (1 MHz)
- USB-C: Host/device, high/full speed, power delivery

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability