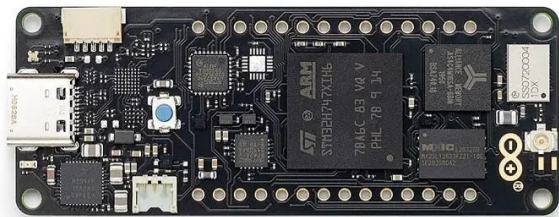


Item no.: 353160

## ABX00046 - Portenta H7 Lite Connected

from **102,62 EUR**

Item no.: 353160  
shipping weight: 0.10 kg  
Manufacturer: Arduino



### Product Description

#### Portenta H7 Lite Connected

The Portenta H7 Lite Connected is designed to provide the computational power of the Portenta H7 for AI applications and low-latency control solutions, with a module that is made more cost-effective by removing the high-resolution video interface feature.

It fills the gap between the full H7 and the H7 Lite versions by integrating wireless connectivity, adding yet another option for Arduino Pro clients to build the perfect solution with the right combination of performance and simplicity.

The Portenta H7 Lite Connected 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 via a Remote Procedure Call mechanism that allows calling functions on the other processor seamlessly for real multitasking. Your machine learning algorithms can now run simultaneously alongside low latency sensor/actuator interaction.

- Microcontroller: STM32H747XI dual Cortex®-M7+M4 32bit low power Arm® MCU
- Connectivity: Ethernet, WiFi, Bluetooth® Low Energy
- Secure element (default): Microchip ATECC608
- 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 mA 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 module'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

