

The YoctoHub-Ethernet is a Fast-Ethernet module which can host three Yoctopuce modules to access them remotely. It can be powered either by a Micro-B USB cable, or directly from the Ethernet cable (PoE compatible with the 802.3af standard).

The YoctoHub-Ethernet can be used in the same way as a VirtualHub running on a little computer, but it is much easier to setup and maintain than a computer. It is smaller and consumes less. It is compatible out-of-the-box with all existing applications using Yoctopuce API. As for the VirtualHub, it can run autonomously using HTTP callbacks.

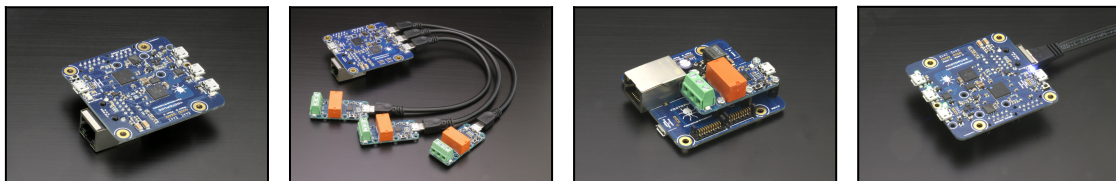
You can connect three Yoctopuce modules directly, one of which can be fixed directly on the YoctoHub-Ethernet and connected using a Board2Board-127 connector. More devices can be connected thanks to the YoctoHub-Shield extension. The YoctoHub-Ethernet can power Yoctopuce devices up to 2A.

Warning: although the 3 downstream ports hosting Yoctopuce devices use micro-B USB connectors, the YoctoHub-Ethernet uses a specific protocol simpler than USB to talk to the devices. Therefore, it is not possible to drive or even to power a regular (non-Yoctopuce) device using the YoctoHub-Ethernet. It is not possible either to use a regular USB hub (such as the Micro-USB-Hub) on the downstream ports. If you need more downstream ports for Yoctopuce devices, you can use a YoctoHub-Shield.

Specifications

Product ID	YHUBETH1
USB connector	micro-B
Thickness	22 mm
Width	58 mm
Length	60 mm
Weight	34 g
Channels	3 ports
Max Current (continuous)	2 A
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature [‡]	-30...85 °C
USB consumption	130 mA
Network connection	Fast-Ethernet
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x000E
Suggested enclosure	YoctoBox-HubEth-Transp
Harmonized tariff code	8542.3190
Made in	Switzerland

[‡] The extended temperature range is defined based on components specifications and has been tested during a limited duration (1h). When using the device in harsh environments for a long period of time, we strongly advise to run extensive tests before going to production.



For more information: www.yoctopuce.com/EN/products/yoctohub-ethernet