If you need to connect more Yoctopuce modules than allowed on our network hubs, you can add this extension board to them. Connected on the network hub with a picoflex ribbon cable (included), it allows you to connect 4 additional Yoctopuce modules to the network. There is no need for a separate power supply cable, as the shield is powered directly through the picoflex ribbon cable.

You can connect Yoctopuce modules to this shield using USB-OTG-MicroB-MicroB-20 cables, or using the more compact 1.27-1.27-11 cables (which require soldering). It is even possible to mount the devices directly on the shield (two on each side), and to connect them using Board2Board-127 connectors.

Warning: although the 4 downstream ports hosting Yoctopuce devices use micro-B USB connectors, the YoctoHub-Shield 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-Shield. It is not possible either to use a regular USB hub (such as the Micro-USB-Hub) on the downstream ports. However, if you need even more downstream ports for Yoctopuce devices, you can daisy-chain multiple YoctoHub-Shields.

Specifications

Product ID	YHUBSHL1
Width	58 mm
Length	50 mm
Weight	17 g
Channels	4
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature‡	-30...85 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x001C
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-shield