

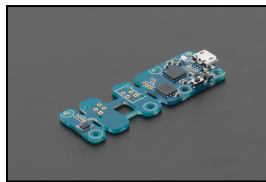
The Yocto-Temperature is a USB temperature sensor : it lets you measure the temperature via a USB connection, as well as record the ambient temperature on its internal flash for later retrieval when connected again by USB. This tiny USB thermometer is ideal for monitoring the temperature of a computer or server room and raising an alert.

This circuit has been designed so that the sensor itself can be moved further away from the USB connector by a few meters: simply split the board into two parts and solder a 4-wire cable on the designated pads.

Specifications

Product ID	TMPSENS1
USB connector	micro-B
Width	20 mm
Length	60 mm
Weight	3 g
Sensor	MCP9804 (Microchip)
Refresh rate	10 Hz
Measuring range	-40 ... +125 °C
Accuracy	0.25 °C
Sensitivity	0.1 °C
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	0x000B
Suggested enclosure	YoctoBox-Long-Thin-Black-Vents
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/yocto-temperature