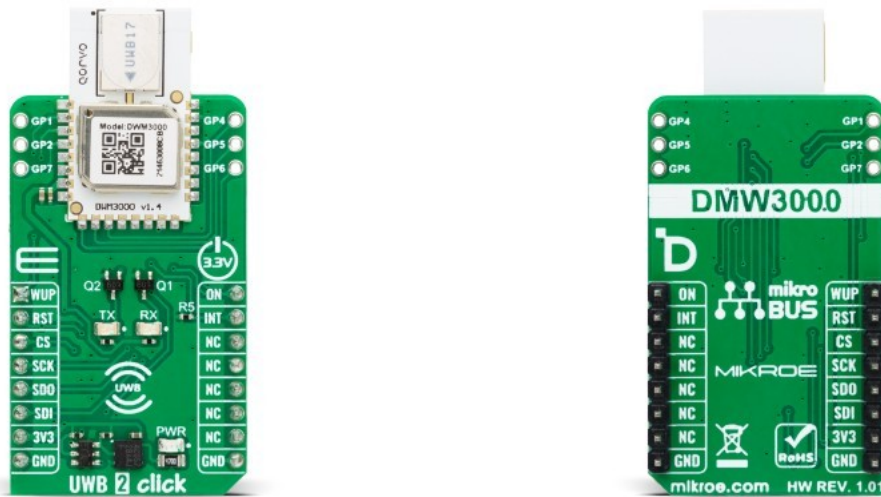


UWB 2 Click



PID: MIKROE-5410

UWB 2 Click is a compact add-on board that brings Ultra-Wideband communication to any solution. This board features the DWM3000, an IEEE 802.15-z UWB transceiver module from Qorvo. This module fully aligns with FiRaTM PHY, MAC, and certification development. It uses an integrated UWB antenna to establish wireless communication in UWB channels 5 (6.5GHz) and 9 (8GHz). This Click board™ makes the perfect solution for developing precision real-time location systems (RTLs) using two-way ranging or TDoA schemes in various markets, location-aware wireless sensor networks (WSNs), and more.

UWB 2 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	UWB
Applications	Can be used for for developing precision real-time location systems (RTLS) using two-way ranging or TDoA schemes in various markets, location-aware wireless sensor networks (WSNs), and more
On-board modules	DWM3000 - IEEE 802.15-z UWB transceiver module from Qorvo
Key Features	Ultra-wideband transceiver supporting UWB channels 5, and 9, fully aligned with FiRa™ PHY, MAC, and certification development, IEEE 802.15.4-2015 and IEEE 802.15.4z BPRF compliant, programmable transmitter output power, fully coherent receiver for maximum range and accuracy, low power consumption, integrated MAC support features, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[UWB 2 click example on Libstock](#)

[UWB 2 click 2D and 3D files](#)

[DWM3000 datasheet](#)

[UWB 2 click schematic](#)

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).