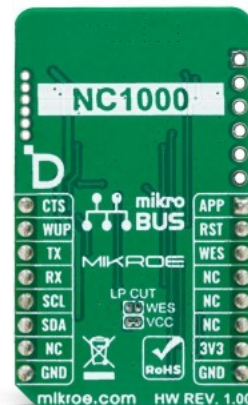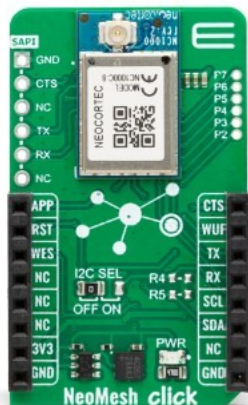# NeoMesh Click - 868MHz

PID: MIKROE-6006

NeoMesh Click - 868MHz is a compact add-on board with a low-power, long-range transceiver, ideal for Mesh wireless networking. This board features the NC1000C-8, a wireless Mesh network module from NeoCortec. With an additional antenna that MikroE offers connected to the module's u.Fl connector, you can create a fully functional wireless Mesh network node that will work in the Sub-GHz frequency band of 868MHz. The module has a generic application layer that can configured to suit applications. This Click board™ makes the perfect solution for the development of wireless sensor networks, automatic meter reading, advanced metering architecture, industrial automation, agricultural and forest monitoring, and more.

NeoMesh Click - 868MHz is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	Sub-1 GHz Transceievers
Applications	Can be used for the development of wireless sensor networks, automatic meter reading, advanced metering architecture, industrial automation, agricultural and forest monitoring, and more
On-board modules	NC1000C-8 - wireless Mesh network module from NeoCortec
Key Features	Full system in module, fully functional wireless Mesh network node, generic application layer which can be configured to suit product needs, NeoMesh protocol stack optimized for ultra-low power and reliability, and more
Interface	I2C,UART
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

[NeoMesh Click - 868MHz example on Libstock](#)

[NC1000 datasheet](#)

[NeoMesh Click - 868MHz 2D and 3D files](#)

[NeoMesh Click - 868MHz schematic](#)