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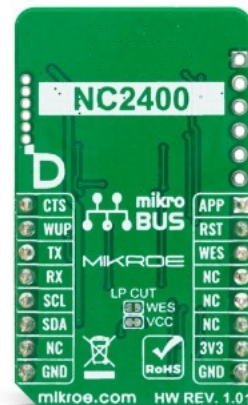www.mikroe.com

NeoMesh 2 Click

PID: MIKROE-6008

NeoMesh 2 Click is a compact add-on board with a low-power, long-range transceiver, ideal for Mesh wireless networking. This board features the NC2400, 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 frequency band of 2.4GHz. The module has a generic application layer that can be 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 2 Click 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.

Specifications

Type	2.4 GHz Transceivers
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	NC2400 - a 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™

ClickID

Downloads

NeoMesh 2 click example on Libstock

NC2400 datasheet

NeoMesh 2 click 2D and 3D files

NeoMesh 2 click schematic