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XBee 3 Click

PID: MIKROE-5299

XBee 3 Click is a compact add-on board suitable for mission-critical wireless applications. This board features the XB8X-DMUS-001, a low-power CE/RED certified Digi XBee® RF module delivering superior performance and interference immunity from Digi International. The module can run either a proprietary DigiMesh® or point-to-multipoint networking protocol utilizing a low-power Silicon Labs MCU and an ADF7023 transceiver, along with an integrated SAW filter that offers industry-leading interference blocking. Operating between 863MHz and 870MHz (868MHz), it allows use in several regions, including approved European countries. This Click board™ is ideal for applications requiring range, data redundancy, and reliability.

XBee 3 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	ZigBee
Applications	Can be used for applications requiring range, data redundancy, and reliability
On-board modules	XB8X-DMUS-001 - Digi Xbee® RF module from Digi International
Key Features	Low power consumption, CE/RED certified, SAW filter for performance in noisy RF environments, Listen-Before-Talk and Frequency Agility for interference immunity, DigiMesh networking topology for redundancy and reliability, and more
Interface	SPI,UART
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

XBee 3 click example on Libstock

XB8X-DMUS-001 datasheet

XBee 3 click 2D and 3D files

XBee 3 click schematic