

GNSS Antenna Board - DAN-F10N



PID: MIKROE-6746

GNSS Antenna Board - DAN-F10N is a compact 70×70mm square-shaped board designed for standard-precision satellite positioning. It is based on the [DAN-F10N](#), a professional-grade dual-band GNSS patch-antenna module from [u-blox](#) built on F10 technology that receives and tracks L1/L5 multiple constellations simultaneously for meter-level accuracy even in challenging urban environments. The board combines an integrated L1/L5 patch antenna with an SMA connector for an optional external standard-precision L1/L5 active antenna, an ICD BOX header with a 20cm flat ribbon cable for connection to a Shuttle Click on a host development platform to enable both communication and 3.3V power supply, a reset button, BOOT switch, a CR1225 battery holder for backup power, and accessible test points for key signals. This board is ideal for prototyping and evaluating standard-precision GNSS solutions in applications such as asset tracking, navigation devices, smart city infrastructure, and other embedded systems requiring dual-band satellite positioning.

For more information about **GNSS Antenna Board - DAN-F10N** visit the official [product page](#).

Specifications

Type	GPS/GNSS
Applications	Ideal for applications such as asset tracking, navigation devices, smart city infrastructure, and other embedded systems requiring robust, dual-band satellite positioning
On-board modules	DAN-F10N - professional-grade standard

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).

	precision GNSS module from u-blox
Key Features	Dual-band GNSS reception on L1 and L5 signals, integrated patch antenna with optional external antenna, concurrent reception of multiple GNSS constellations including GPS, QZSS/SBAS, Galileo, BeiDou and NavIC, proprietary dual-band multipath mitigation technology for meter-level accuracy, SAW RF architecture for superior out-of-band interference rejection, internal flash memory for firmware updates and future-proof operation, and more
Interface	UART
Feature	No ClickID
Compatibility	Shuttle
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[DAN-F10N datasheet](#)

[GNSS Antenna Board - DAN-F10N 2D and 3D files v101](#)

[GNSS Antenna Board - DAN-F10N example package](#)

[GNSS Antenna Board - DAN-F10N schematic v101](#)

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