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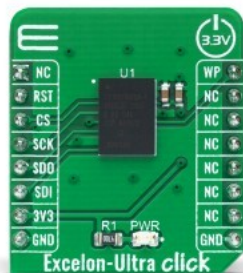www.mikroe.com

Excelon-Ultra Click

PID: MIKROE-4698

Excelon-Ultra Click is a compact add-on board that contains the most reliable nonvolatile memory. This board features the CY15B116QSN, a high-performance 16-Mbit nonvolatile memory that employs an advanced ferroelectric process from Infineon. A ferroelectric random access memory (FRAM) is nonvolatile, performs reads and writes through SPI commands, and provides reliable data retention for 151 years while eliminating the complexities, overhead, and system-level reliability problems caused by serial Flash and other nonvolatile memories. This Click board™ is suitable for all applications that require fast access and high reliability of stored data, and unlimited endurance.

Excelon-Ultra 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.

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Specifications

Type	FRAM
Applications	Can be used for all applications that require fast write access, high reliability of stored data, and unlimited endurance
On-board modules	CY15B116QSN - high-performance 16-Mbit nonvolatile memory that employs an advanced ferroelectric process from Infineon Technologies
Key Features	High-performance, 16-Mbit nonvolatile memory, single and multi I/O serial peripheral interface, write protection, data security, and data integrity, low power consumption, extended electronic signatures, and many more
Interface	QSPI,SPI
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

Excelon-Ultra click 2D and 3D files

CY15B116QSN datasheet

Excelon-Ultra click schematic

Excelon-Ultra click example on Libstock