

# Intel GALILEO1 development board 400 MHz Intel Quark SoC X1000

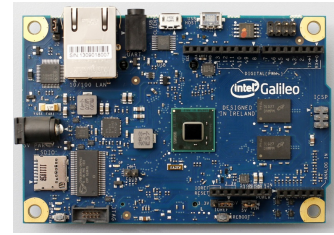
**Brand :** Intel

**Product code:** GALILEO1

**Product name :** GALILEO1

## Galileo Board

Intel GALILEO1. Processor frequency: 400 MHz, Processor manufacturer: Intel, Processor model: Intel Quark SoC X1000. Maximum internal memory: 0.256 GB, Internal memory type: DDR3, Memory clock speed: 800 MHz. Ethernet interface type: Fast Ethernet. PCI Express interface data lanes: x1. Form factor: Arduino



Processor		Software	
Processor frequency *	400 MHz	Linux operating systems supported	✓
Processor manufacturer *	Intel	Power	
Processor model *	Intel Quark SoC X1000	DC input voltage	5 V
Processor cache	16 KB	Weight & dimensions	
Processor socket *	Quark 393pin FCPGA	Processor package size	15 x 15 mm
Processor lithography	32 nm	Processor special features	
Thermal Design Power (TDP)	12.5 W	Intel® Virtualization Technology (Intel® VT)	✗
Processor cores	1	Intel Quick Resume Technology	✗
Processor threads	1	Intel Quiet System Technology (QST)	✗
64-bit computing	✗	Intel® High Definition Audio (Intel® HD Audio)	✗
Microcontroller model	Intel Quark	Intel AC'97 technology	✗
ECC supported by processor	✗	Intel® Matrix Storage Technology (Intel® MST)	✗
CPU configuration (max)	1	Intel Fast Memory Access	✗
Memory		Intel Flex Memory Access	✗
Maximum internal memory *	0.256 GB	Intel Rapid Storage Technology	✗
Internal memory type *	DDR3	Intel® Small Business Advantage (Intel® SBA)	✗
Memory clock speed	800 MHz	Intel® Anti-Theft Technology (Intel® AT)	✗
Memory channels	Single-channel	Intel Remote PC Assist Technology (RPAT)	✗
Memory bandwidth (max)	2.5 GB/s	Intel Client Initiated Remote Access (CIRA) technology	✗
Memory bus	32 bit	Intel Virtualization Technology for Directed I/O (VT-d)	✗
ECC	✗	Intel® vPro™ Platform Eligibility	✗
Flash memory	8 MB	Intel Virtualization Technology (VT-x)	✗
Flash memory type	Norwegian	Intel® Remote Wake Technology (Intel® RWT)	✗
SRAM (Static Random Access Memory)	512 KB	Intel® AES New Instructions (Intel® AES-NI)	✗
EEPROM (Electrically Erasable Programmable Read-Only Memory)	8 KB	Intel Trusted Execution Technology	✗
Compatible memory cards	MicroSD (TransFlash), MicroSDHC	Other features	
Maximum memory card size	32 GB	Power over Ethernet (PoE) voltage	12 V
Ports & interfaces			
Wi-Fi *	✗		
Ethernet LAN *	✓		
Ethernet interface type	Fast Ethernet		
Power over Ethernet (PoE)	✓		
USB version *	2.0		
USB ports quantity *	3		
Serial ports quantity	1		

Ports & interfaces		Other features	
Serial port via internal header	✓	Embedded options available	✗
Expansion slots		Supported memory types	DDR3-SDRAM
PCI version	2.0	Launch date	Q4'13
PCI Express interface data lanes	x1	Mac operating systems supported	✓
PCI Express x1 slots	1	Physical Address Extension (PAE)	✓
Maximum number of PCI Express lanes	1	PCI Express slots version	2.0
PCI Support	PCI Express	ARK ID	78919
PCI Express x1 (Gen 2.x) slots	1	Status	Discontinued
PCI Express CEM revision	2.0	FSBs supported	NA
Mini PCI Express slot (full length)	1	Physical Address Extension (PAE)	32 bit
Features		Processor included	Intel® Quark™ SoC X1000 (16K Cache, 400 MHz)
Form factor	Arduino	Package size	15 x 15 mm
Extended Life Program (XLP)	✗	Export Control Classification Number (ECCN)	4A994
FSB Parity	✗	Commodity Classification Automated Tracking System (CCATS)	NA
Back-to-BIOS button	✗	Logistics data	
Trusted Platform Module (TPM)	✗	Harmonized System (HS) code	8471500150
Low halogen options available	✗		
Software			
Windows operating systems supported	✓		



5032037060073



0735858275750



735858275750

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.