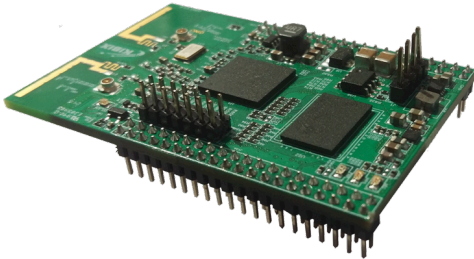


BARIX

QINO

Multi purpose wireless module



The QINO is a multi-purpose wireless enabled module built around the MT7620A Mediatek processor and the OpenWRT OS. Users can take advantage of the OpenWRT software integration and of the high performance CPU to effortlessly deploy wireless, security and VOIP applications.

The QINO provides a 2T2R IEEE 802.11n (Wi-Fi) interface capable of supporting wireless communications up to 300 Mbps. The module embeds a 128 Mbit SPI Flash and a 512 Mbit DDR2 RAM together with a broad set of communication interfaces: Ethernet, USB 2.0, I2C, SPI, UART and GPIOs (20).

Summary

- USB 2.0
- Wi-Fi 802.11 b/g/n
- IPv6 capable
- Open WRT OS
- Ethernet
- 2-year warranty
- Developed in Switzerland, manufactured in the EU

Specification

- available with 16MB SPI Flash, 64MB DDR2 RAM or with 32MB SPI Flash, 128MB DDR2 RAM
 - 4 LAN and 1 WAN (10/100)
-

Technical Specifications

Hardware features

- CPU MT7620A
- CPU Architecture MIPS24KEc (580MHz)
- Total DMIPs 580 x 1.6
- I-Cache 64 KB
- D-Cache 32KB
- L2 Cache n/a
- HNAT/HQos 2Gbps forwarding
- Memory
 - DRAM controller 16b
 - DDR2 512Mb, 120MHz
- SPI Flash 128 Mbit
- Support for SD-XC (class 10)
- RG 2T2R 802.11n 2.4 GHz
- USB 2.0
- Ethernet 4 LAN and 1 WAN (10/100)
- I2S
- PCM
- I2C
- UART 1 console and 1 full with handshaking
- JTAG

Software features

- Python 2.7
- Lua scripting language support
- Open SSL
- Web server daemon with proper CGI support
- Ubus for system administration via the RPC
- CLI (command line interface) for configuration file parsing and modification
- DHCP Server
- IPv6 Support

Environmental

Operating Environment

0 to +50°C / 32 to 122°F

Storage Conditions

0 to +70°C / 32 to 158°F

0 - 70% relative humidity, non-condensing

Certifications/compliant with

CE (A&B), RTT&E, FCC (A&B), RoHS

Ordering Information

2016.0101 Qino board:

for 16MB, 64MB RAM

2016.0102 Qino128 board:

for 32MB, 128MB RAM

For commercial related questions (distributors contacts, price list, business opportunities) please contact

sales@barix.com

For technical inquiries (problem reports, request for documentation, etc.) please contact

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