

WISMO Quik Q24x6 series Differences with the Q2403 series

Reference : WM_PRJ_Q24x6_PDS_001
Level : 001
Date : 24th Oct 2002



Preliminary

Document Information

Level	Date	History of the evolution	Writer
001	24/10/02	Creation (Preliminary version)	MDS

	Name	Function	Date	Signature
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Caution

Information furnished herein by Wavecom are accurate and reliable. However no responsibility is assumed for its use. Please read carefully the safety precautions for a terminal based on WISMO Quik Q24x6 Series.

General information about Wavecom and its range of products is available at the following internet address: <http://www.wavecom.com>

Trademarks

Some mentioned products are registered trademarks of their respective companies.

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Overview

This document sums up all the differences between the Q24x6 series products and the previous Q2403 series products.

Preliminary

1 Q24x6 Versus Q2403

The Q24x6 is an evolution of the Q2403 and is fully compatible with it in term of Hardware and software.

However the Q24x6 includes some new features and differences with the Q2403 which are listed in the following paragraphs.

1.1 Functional differences

Q2403	Q24x6
Q2403 : EGSM/GPRS CL 2 900/1800 MHz	Q2406 : EGSM/GPRS CL 10 900/1800 MHz Q2426 : EGSM/GPRS CL 10 850/1900 MHz Addition of the GPRS CL 10 Mode. Creation of a version in the 850/1900 dual-band.
Q2403A : version with 16 Mb of Flash memory and 2 Mb of SRAM. Q2403B : version with 32 Mb of Flash memory and 4 Mb of SRAM.	Q24x6A : version with 16 Mb of Flash memory and 2 Mb of SRAM. Q24x6B : version with 32 Mb of Flash memory and 4 Mb of SRAM. Q24x6C : version with 64 Mb of Flash memory and 8 Mb of SRAM. Addition of a version with 64 Mb of Flash memory and 8 Mb of SRAM.
Only one serial Link on the Q2403	Two serial Link on the Q24x6A and Q24x6B Addition of and Auxiliary serial Link on Q24x6A and Q24x6B. (not available on Q24x6C Products)
6 General Purpose I/O, 3 General Purpose Outputs and 1 General Purpose Input.	6 General Purpose I/O, 4 General Purpose Outputs and 1 General Purpose Input. Addition of One GPIO (GPIO3 multiplexed with SPI_EN).

1.2 Power supply differences

Power supply differences are due to the addition of the GPRS CL10 mode which is more demanding than GSM or GPRS CL 2 in term of power consumption.

See the Products specifications ([1] & [2]) for more information.

1.3 General Purpose Connector pin out differences

Pin #	Q2403		Q24x6		
	Signal Name	Function	Signal Name	Function	Q24x6 Addition
18	GPI	General Purpose Input	GPI or CT103/RXD2	General Purpose Input or UART 2	Addition of Auxiliary Serial interface, UART2 (multiplexed with GPI) *
20	GPO2	General Purpose Output	GPO2 or XT104/TXD2	General Purpose Output or UART 2	Addition of Auxiliary Serial interface, UART2 (multiplexed with GPO2) *
24	GPIO0	General Purpose I/O	GPIO0 or CT106/CTS2	General Purpose I/O or UART 2	Addition of Auxiliary Serial interface, UART2 (multiplexed with GPIO0) *
28	SPI_EN	SPI enable	SPI_EN or GPO3	SPI enable or General Purpose Output	Addition of a General Purpose Output
35	GPIO5	General Purpose I/O	GPIO5 or CT105/RTS2	General Purpose I/O or UART 2	Adding of Auxiliary Serial interface, UART2 (multiplexed with GPIO5) *

* Not available in Q24x6C

1.4 Mechanical differences

Modification of the Matching antenna area on the Q24x6 with 0402 footprint for the matching components (0603 for the Q2403).

2 Reference documents

- [1] WISMO Quik Q2403 series -Product Specification
- [2] WISMO Quik Q24x6 series -Product Specification