

Qualcomm Atheros 4100

Features		Atmel AVR32	Texas Instruments MSP430	STMicroelectronics STM32	Renesas	Energy Micro EFM32
MCU Variants supported		AT32UC3B0256 AT32UC3B0128	MSP430F5438A	STM32L152 STM32F4	RL78G13 F9 RX62N RX63N	EFM32GG290 EFM32G222F128
MCU dependent features	BUS	SPI	SPI	SPI	SPI	SPI
	MCU - AR4100 connectivity	UEXT	UEXT	UEXT	UEXT	UEXT
Feature set	Operating system	"No OS"	"No OS"	Micrium MicroC OS-III RTOS "No OS" FreeRTOS 7.0 ThreadX 5.5	Micrium MicroC OS-III RTOS	"No OS"
	Wireless mode	802.11 bgn	802.11 bgn	802.11 bgn	802.11 bgn	802.11 bgn
	WEP/TKIP/WPA/2 PSK	✓	✓	✓	✓	✓
	AR4100 Configuration I/F	Serial	Serial	Serial	Serial	Serial
	OTA (Over the air upgrade)	✓	✓	✓	✓	✓
	Advance Power Save	✓	✓	✓	✓	✓
	WPS	✓	✓	✓	✓	✓
	MCS rate 0-7	✓	✓	✓	✓	✓
	AMPDU aggregation	✓	✓	✓	✓	✓
Performance/metrics	Code size	36kb	34kb	45kb	78kb	72kb
	Throughput					5.4 Mbps TCP TX
						4.4 mbps tcp RX
						5.7 Mbps UDP Tx
						6 Mbps UDP Rx
Licensing	FW	Atheros license	Atheros license	Atheros license	Atheros license	Atheros license
	Driver	Intelligraphics license	Intelligraphics license	Intelligraphics license	Intelligraphics license	Intelligraphics license