







# Wireless Modules Lineup - Part 1



Product Category	PCI-Express Cards		SDIO				Mini-PCI			
Product Name	SX-PCEGN	SX-PCEAN	SX-SDCAG	SX-SDPAG	SX-SDPGN	SX-SDMGN	SX-SDMAN	SX-10WAG	SX-10WG	SX-10WAN
Photo										
Interface	PClexpress	PClexpress	SDIO	SDIO SMT	SDIO SiP	SDIO Module (SDIO v2.0 (4-bit, 1-bit))	SDIO V 2.0 (4-bit, 1-bit) BT-UART	mini PCI	mini PCI	mini PCI
Chipset Atheros	AR9287	AR9280	AR6002	AR6002	AR6003	AR6103	AR6233 + Bluetooth	AR5414A-001	AR5005G	A9160B, AR9106A
Dimension	30 x 26.8 x 3.0	30.0 x 26.8 x 4.5	24 x 46 x 4.1	15 x 15 x 2.55 56-pin	8.3 x 9.2 x 1.0	23 x 23 x 3.0	24 x 22 mm	31 x 59,6 x 4	44.6 x 59.6 x 4	50.95 x 59.6 x 6
Frequency Band	b/g/n	a/b/g/n	a/b/g	a/b/g	b/g/n (1Stream)	b/g/n (1Stream)	a/b/g/n (1 Stream)	a/b/g	b/g	a/b/g/n
Data Rate	up to 300Mbit	up to 300Mbit	up to 54Mbit	up to 54Mbit	up to 72,2Mbit	up to 72,2Mbit	up to 72,2 Mbit	up to 54Mbit	up to 54Mbit	up to 300Mbit
Operating Temperature	0 to 60°C	0 to 60°C	-20 to 70°C	-20 to +70°C	-20 to +85°C	-40 to +85°C	0 to 70°C	0 to + 70 °C	0 to + 60 °C	0 to + 70 °C
Power Consumption	TX: 630mA (Max), RX: 270mA (Max)	TX: 810mA (Max), RX: 220mA (Max)	20mW standby; 1,056mW transmit / 363mW receive@5GHz typical; 970mW transmit / 330mW receive @2.4GHz	20mW standby; 924mW transmit/ 299mW receive@5GHz typical; 904mW transmit/ 365mW receive@2.4GHz z typical	contact us	Preliminary Typical: Standby: OFF=.004 mA, HOST_OFF=.048 mA, SLEEP-.215 mA; 2.4Ghz TX 11b 1Mbps=240 mA 11b 11 Mbps=238 mA 11g 6 Mbps=237 mA 54 Mbps=193 mA 2.4Ghz RX All Mode: 91 mA	Preliminary Typical: Standby: OFF=.004 mA, HOST_OFF=.048 mA, SLEEP-.215 mA; 5GHz 11a TX: 6 Mbps=320 mA 54 Mbps=270 mA 5GHz All Modes RX: 115 mA 2.4Ghz 11b 1Mbps=270 mA 2.4Ghz 11b 11 Mbps=260 mA	500mA max.	500mA 11g transmit: 3.3V 360mA 11g receive: 3.3V 290mA 11b transmit: 3.3.V 350mA 11b receive: 3.3V 215mA Sleep mode: 20mA	Transmit: 1A Receive 600mA
Drivers	Linux, Windows 7 and Embedded XP / contact us	Linux, Windows 7 and Embedded XP / contact us	testing possible with SX-6K2-EVK AR6002 WLAN Radio Evaluation Kit / contact us	testing possible with SX-6K2-EVK AR6002 WLAN Radio Evaluation Kit / contact us	Linux, Android, Windows CE 6.0 / contact us	Linux, Android, Windows CE 6.0 / contact us	Linux, Android, Windows CE 6.0 / contact us	Windows 2000, Windows XP / contact us	Windows 2000, Windows XP / contact us	contact us

# Wireless Modules Lineup - Part 2



Product Category	Intelligent Modules			External Network Adapters		
Product Name	SX-560-2701	SX-570	SX-580	SX-500-0033	SX-500-1033	SX-600-1003
Photo						
Interfaces	Hirose DF12-40DS-0.5V or equivalent USB V1.1 host (12Mbps), Serial 2x UART with TXD, RXD, RTS, CTS, and up to 921.6Kbps per port	Hirose connector, Serial UART	Hirose connector, Serial UART	Serial, Ethernet (802.3i (10Base-T) and 802.3u (100Base-TX)	Serial, Ethernet (802.3i (10Base-T) and 802.3u (100Base-TX), Wireless LAN 802.11 b/g	10/100 BASE Ethernet, 802.11b/g wireless
Chipsets	AR6002	AR6103	AR6233 + Bluetooth	-	-	-
Dimensions	49.53 x 34.29 x 5.7 mm	contact us	contact us	125.73 x 75.11 x 24.08 mm	125.73 x 75.11 x 24.08 mm	125.73 x 75.11 x 24.08 mm
Band	a/b/g	b/g/n	a/b/g/n	-	b/g	b/g
Data Rate	wireless: 54Mbit wired: 100Mbit USB: 12Mbit	TBD	TBD	wired: 100Mbit	wired: 100Mbit wired: 100Mbit	
Operating Temp.	0 to + 70°C	Preliminary: -20 to +85	Preliminary: -10 to +70	0 to +50°C	0 to +50°C	
Power Consumption	Power Consumption (3.3V +/- 5%; no load on I/O ports or GPIOs) Maximum: 460mA Average: 240mA Idle: 220mA Minimum: 60mA (connected to access point in powersave mode; SX-560 will wake up upon data received in UART	TBD	TBD	500 mA max for wired 800 mA max for wireless option Provided power adapter or through Pin9	500 mA max for wired 800 mA max for wireless option Provided power adapter or through Pin9	
GPIO	3 GPIOs are configurable as DTR, DSR, and DCD on port 1	Preliminary: 3 GPIOs are configurable as DTR, DSR, and DCD on port 1	Preliminary: 3 GPIOs are configurable as DTR, DSR, and DCD on port 1	-	-	-