Wi-Fi™ Modules

	SDC-PE15N	SDC-SSD30AG	WH-SSD45N	WH-MSD45N	WH-SSD45N-BTSA	WH-WB45NBT
Wireless Standards	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED Bluetooth	Wi-Fi CERTIFIED Bluetooth
Type	PCI Express Mini Card	SDIO SiP Module	SDIO SiP Module	SDIO SiP Module	SDIO Wi-Fi SIP + UART BT SIP	Communications Subsystem
Size	51 mm x 30 mm	15 mm x 15 mm	11 mm x 11 mm	32mm x 22 mm	SSD45N: 11 mm x 11 mm BT800: 8.5 mm x 13 mm	40 mm x 40 mm
Connection to Device	52 pin board-to-board connector	Soldered to board	Soldered to board	60 pin Molex Connector	Soldered to board	80 pin connector
Transmit Power	Up to 17 dBm (50mW)	Up to 18 dBm (63 mW)	Up to 16 dBm (40 mW)	Up to 16 dBm (40 mw)	Up to 16 dBm (40 mW)	Up to 16 dBm (40 mW)
Receiver Sensitivity (Wi-Fi)	802.11a: -65 to -85 dBm 802.11b: -90 to -96 dBm 802.11g: -76 to -94 dBm 802.11n: -71 to -90 dBm	802.11a: -67 to -85 dBm 802.11b: -89 to -95 dBm 802.11g: -72 to -93 dBm	802.11a: -73 to -91 dBm 802.11b: -84 to -92 dBm 802.11g: -74 to -91 dBm 802.11n: -71 to -89 dBm	802.11a: -73 to -91 dBm 802.11b: -84 to -92 dBm 802.11g: -74 to -91 dBm 802.11n: -71 to -89 dBm	802.11a: -73 to -91 dBm 802.11b: -84 to -92 dBm 802.11g: -74 to -91 dBm 802.11n: -71 to -89 dBm	802.11a: -73 to -91 dBm 802.11b: -84 to -92 dBm 802.11g: -72 to -90 dBm 802.11n: -71 to -89 dBm
Temperature Range	-30° to +75° C	-30° to +70° C	-20° to +70° C	-20° to +70° C	-20° to +70° C	-20° to +70° C
Operating Systems	Windows XP, Windows 7	Windows Mobile, Windows CE	Android, Linux, Windows CE, Windows Mobile	Android, Linux, Windows CE, Windows Mobile (NDIS5)	Windows Mobile, Windows CE	Any- Laird Wi-Fi software runs on module, not on host device
Security	Software suite includes support for WPA2 and WPA, Personal and Enterprise (with a broad range of EAP types)					
Certifications	Regulatory, Wi-Fi Alliance, and CCX (V4) certifications				Regulatory, Wi-Fi Alliance, CCX (V4), and BT SIG certifications	
Mobility	The Laird Wi-Fi software suite ensures reliable connectivity and fast roaming in even the most challenging RF environments.					
Management	Laird Wi-Fi software includes the Laird Connection Manager (LCM), a GUI tool for on-device configuration, management, and troubleshooting. All LCM functions are available through the software developer's kit (SDK), which is used by a broad range of centralized management applications.					

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