SparkLan AX/AC module Spec list

http://www.sparklan.com/

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Model No.	Grading for	Featuring for		Multi-User MIMO mode		Hardware Type			Antenna		Form factor	Chip-set from	Band	Host Interface		WLAN Functions			Device Driver supported by			Certified by	Developed for
		WiFi	BT		Transmit/Receive	Module	Stp	Dongle	Connector	Optional Accessory				WLAN	BT	AP Specifications	Soft AP	Station	Windows	Linux	Android		
WiFi6E																							
AP8281	-	ac/ax/a/b/g/n	5.2	✓	1×1	-	✓	-	external	TBD	Stamp Type	Broadcom	Tri Band	SDIO/USB	UART/PCM	✓	-	-	-	✓	✓	TBD	Tablets, OTT boxes, and portable devices, thin client devices, Gaming machines, etc.
WPEQ-266AXE(BT)	Industrial	ac/ax/a/b/g/n	5.2	✓	2×2	✓	-	-	2x IPEX MHF1 connectors	✓	Half Mini PCIe	Qualcomm Atheros WCN6855	Tri Band	PCIe:	USB	-	✓	✓	✓	✓	✓	TBD	Industrial PC,In Vehicle PC,In Vehicle router,Outdoor IPTV,Vehicle mounted front,Rear Terminal UAV,Robot,Intelligent gateway and etc.
WNFQ-266AXE(BT)	Industrial	ac/ax/a/b/g/n	5.2	✓	2×2	✓	-	-	2 x IPEX x MHF4 connector (Ant.1 for WLAN, Ant. 2 for WLAN/BT	✓	M.2 2230	Qualcomm Atheros WCN6855	Tri Band	PCIe:	USB	-	✓	✓	✓	✓	✓	TBD	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front/Rear Terminal UAV,Robot,Intelligent Gateway and etc.
WiFi6																							
AP8276SDPR	-	ac/ax/a/b/g/n	6.1	✓	2×2	-	✓	-	2 x IPEX x MHF4 connectors	TBD	M.2 LGA Type 1216	Broadcom	Dual Band	PCIe	UART/PCM	-	-	✓	✓	✓	✓	TBD	Tablets, OTT boxes, and portable devices, thin client devices, Gaming machines and etc
WNFT-256AXE(BT)	-	ac/ax/a/b/g/n	5.2	✓	2×2	✓	-	-	2 x IPEX x MHF4 connectors	✓	M.2 2230	Realtek	Dual Band	PCIe	USB	-	✓	✓	✓	✓	✓	FCC/CE/TELEC/IC/ NCC/AMCE	Tablet, Notebook, Advertising machine,OTT Box, IPTV , DVR , STB , DV,PC, Driving Recorder, Doorbell,Smartwatch,TV,Intelligent Projector, VR, AR,terminal , Wireless charger,Fitness/Exercise machine, Vehicle
WPEQ-466AX	-	ac/ax/a/b/g/n	—	✓	4×4	✓	-	-	4 x IPEX MHF1 connectors	✓	Full Size Mini PCIe	Qualcomm Atheros QCN9074	Dual Band	PCIe		✓	-	-	✓	✓	✓	USA/EU /Canada	Industrial AP,Enterprise AP,SD WAN,UTM, and etc.
AP8276HH8	-	ac/ax/a/b/g/n	5.0	✓	2×2	-	✓	-	External	TBD	Stamp Type	Broadcom	Dual Band	PCIe	UART/PCM	-	✓	✓	✓	✓	✓	TBD	Tablets, AR, VR, IoT,Smartphone, service provider & Home Appliance, and portable devices.
WNFB-266AXE(BT)	Industrial	ac/ax/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors (ANT1 for WLAN/BT, ANT2 for WLAN	✓	M.2 2230	Broadcom	Dual Band	SDIO	UART/PCM	-	✓	✓	✓	✓	✓	FCC/CE/TELEC/IC	Devices, security systems, industrial PC, Remote control, digital signs, STB, embedded / tablet PC' s, smart cotcos,Home TV,and etc.
WNFB-266AXE(BT)	Industrial	ac/ax/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors (ANT1 for WLAN/BT, ANT2 for WLAN	✓	M.2 2230	Broadcom	Dual Band	PCIe	UART/USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot, and Intelligent Gateway
WPEB-266AXE(BT) [R10/R18] Series	Industrial	ac/ax/a/b/g/n	5.0	✓	2×2	✓	-	-	✓	✓	Half Size Mini PCIe	Broadcom	Dual Band	PCIe	USB	-	✓	✓	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal UAV,Robot,and Intelligent Gateway
AP8276S	-	ac/ax/a/b/g/n	5.0	✓	2×2	-	✓	-	External	TBD	Stamp Type	Broadcom	Dual Band	SDIO	UART/PCM	-	-	✓	✓	✓	✓	TBD	Tablets, OTT boxes, portable devices, thin client devices, Gaming machines,and etc.
AP8276S	-	ac/ax/a/b/g/n	5.0	✓	2×2	-	✓	-	External	TBD	Stamp Type	Broadcom	Dual Band	SDIO	UART/PCM	-	-	✓	✓	✓	✓	TBD	Tablets, OTT boxes, portable devices, thin client devices, Gaming machines,and etc.
WPEB-266AXE (BT) [R10/R18] Series	Industrial	ac/ax/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x MHF1 connectors	✓	Half Size Mini PCIe	Broadcom	Dual Band	PCIe	UART/USB	-	✓	✓	✓	✓	✓	FCC/CE/TELEC/IC	Medical devices, security systems, industrial PC, Point of Sale, digital signs, STB, embedded / tablet PC' s, smart devices, thin client devices, Gaming machine, tablets, and etc.
WUBT-256AON(BT) Series	-	ac/ax/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors or Printed Ant.	✓	USB	Realtek RTL8822CU	Dual Band	USB	USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Portable handheld devices, thin client computer, medical devices, network security & monitoring, ID printer, TV, STB, POS,digital signs, gaming machine, robotic machinery, industrial tablets, and etc.
WUBT-256AON(BT) Design	-	ac/a/b/g/n	5.0	✓	2×2	-	-	✓	2 x IPEX Printed Ant	TBD	USB	Realtek RTL8822CU	Dual Band	USB	USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Portable handheld devices, thin client computer, medical devices, network security & monitoring, ID printer, TV, STB, POS,digital signs, gaming machine, robotic machinery, industrial tablets, and etc.
WPET-256AON(BT)	-	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX connectors or Printed Ant.(ANT0 for WLAN, ANT1 for WLAN+BT)	✓	Half Size Mini PCIe	Realtek RTL8822CU	Dual Band	USB	: USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Portable handheld devices, thin client computer, medical devices, network security & monitoring,ID printer, TV, STB, POS, digital signs, gaming machine, robotic machinery, industrial tablets, and etc
AP8266SDPR	-	ac/a/b/g/n	4.1	✓	2×2	-	✓	-	2 x MHF4 connector	TBD	M.2 LGA Type 1216	Broadcom	Dual Band	PCIe	UART / USB/ PCM	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Tablets, Tower Speaker, OTT box, security systems, robots, video streaming, PoS, digital signs, and portable devices
AP8246SD	-	ac/a/b/g/n	5.0	✓	1×1	-	✓	-	1 x IPEX MHF4 connector	✓	M.2 LGA 1216	Broadcom	Dual Band	SDIO	UART/PCM	-	✓*	✓*	✓	✓	✓	TBD	Tablets, OTT boxes, and portable devices, thin client devices, Gaming machines and etc. AP8246SD can support AP+Station mode at the same time.
WNFT-257AON(BT)	-	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors	✓	M.2 2230	Realtek RTL8822CE	Dual Band	PCIe	USB	-	✓*	✓*	✓	✓	✓	FCC/CE/TELEC/IC/AGMA	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot, and Intelligent Gateway.
AP8266	-	ac/a/b/g/n	5.0	✓	1×1	-	✓	-	External	TBD	Stamp type	Broadcom	Dual Band	SDIO	UART/PCM	-	-	✓* with SDIO	-	✓	✓	✓	FCC/CE/TELEC/IC/AGMA	Tablets, OTT box, IP Camera, 4K TV, and portable devices,and Internet with different vendors' 802.11a/a/b/g/n 1×1 Access Points with SDIO standard
AP8266S	-	ac/a/b/g/n	5.0	✓	2×2	-	✓	-	External	TBD	Stamp type	Broadcom	Dual Band	SDIO	UART / PCM	-	✓*	✓*	✓	✓	✓	TBD	Tablets, Tower Speaker, OTT box, portable devices,and Internet with different vendors' 802.11a/b/g/n/ac 2×2 Access Points with MIMO standard
WPEQ-466AO	-	ac/n	-	✓	4×4	✓*	-	-	4 x IPEX connectors	✓*	Full Size Mini PCIe	Qualcomm Atheros 9984	Dual Band	PCIe	-	✓	-	-	✓	✓	✓	FCC/CE/TELEC/IC	PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot, and Intelligent Gateway
WNFQ-262AON(BT)	Industrial	ac/a/b/g/n	5.0	✓	2×2	✓*	-	-	2xIPEX connectors	✓*	M.2 2242	Qualcomm Atheros QCA6174A-5	Dual Band	PCIe	USB:	-	-	✓*	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot, and Intelligent Gateway and
WPEQ-262AON(BT)	Industrial	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2xIPEX MHF1 connectors (J1 for WIFI+BT, J14 for WIFI)	✓*	Full Size Mini PCIe	Qualcomm QCA6174A-5	Dual Band	PCIe	USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal UAV,Robot and Intelligent Gateway.
WPEA-261AON(BT)	Industrial	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX connectors (J1 for Wi-Fi+BT, J14 for Wi-Fi)	✓*	Half Size Mini PCIe	Qualcomm QCA6174A-5	Dual Band	PCIe	USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal UAV,Robot and Intelligent Gateway.)
WPEQ-266AONRBI	Industrial	ac/a/b/g/n	-	✓	2×2	✓	-	-	2xIPEX connectors	✓*	Full Size Mini PCIe	Qualcomm Atheros QCA9882-BR4B	Dual Band	PCIe	USB	✓	-	-	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV Robot and Intelligent Gateway.
WUBT-256AON(BT) Series	Industrial	ac/a/b/g/n	-	✓	2×2	✓	-	-	2 x IPEX connectors or Printed Ant.(ANT0 for WLAN only, ANT1 for WLAN+BT)	✓*	USB	Realtek RTL8822BU	Dual Band	USB	USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot, and Intelligent Gateway
WPEQ-261AON(BT)	Industrial	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors (ANT1 for WLAN/BT, ANT2 for WLAN)	✓*	Half Size Mini PCIe	Qualcomm QCA6174A-5	Dual Band	PCIe	USB	-	-	✓	✓	✓		FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot, and Intelligent Gateway
WUBM-278AON Series	-	ac/a/b/g/n	-	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors or Printed Ant.STR	✓*	USB	MediaTek MT7612U	Dual Band	USB	-	-	-	✓	✓	✓	by request	FCC/CE/TELEC/IC/KCC/ANATEL/SRRC/NCC/ WFC/SMDA/FAC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot,and Intelligent Gateway
WUBQ-159AON Series	-	ac/a/b/g/n	-	✓	1×1	✓	-	-	1x IPEX connector or PCB Printed Ant	✓	USB	Qualcomm QCA9377-7	Dual Band	USB	-	-	-	✓	✓	✓	by request	FCC/CE/TELEC/IC/KCC/ANATEL/SRRC/NCC/ WFC/SMDA/FAC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal,UAV,Robot,and Intelligent Gateway
WUBQ-159AON(BT) Series	-	ac/a/b/g/n	5.0	✓	1×1	✓	-	-	2 x IPEX MHF1 connector or PCB Printed Ant.	✓	USB	Qualcomm QCA9377-7	Dual Band	USB	USB	-	-	✓	✓	✓		FCC/CE/TELEC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot, and Intelligent Gateway
WNFQ-259AON(BT)	-	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors(MAIN for WLAN, AUX for WLAN/BT)	✓	M.2 2230	Qualcomm Atheros QCA6174A-5	Dual Band	PCIe:	USB	-	-	✓	✓	✓		FCC/CE/TELEC/IC/AGMA/NCC/ANATEL/NCM	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot, and Intelligent Gateway
WNSQ-261AON(BT)	-	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors (MAIN for WLAN, AUX for WLAN/ BT)	✓	M.2 LGA Type 1216	Qualcomm Atheros QCA6174A-5	Dual Band	PCIe:	USB	-	-	✓	✓	✓		FCC/CE/TELEC/IC/KCC/AGMA/NCC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal UAV,Robot, and Intelligent Gateway
WNFT-254AON(BT)	-	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors	✓	M.2 2230	Realtek RTL8822BE	Dual Band	PCIe	USB	-	-	✓	✓	✓		FCC/CE/TELEC/IC/AGMA	Industrial PC,In VehicleDeveloped forIn PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal UAV,Robot, and Intelligent Gateway
WNFQ-261AON(BT)	Industrial	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors (ANT1 for WLAN/BT, ANT2 for WLAN)	✓	M2 2230	Qualcomm QCA6174A-5	Dual Band	PCIe	USB	-	-	✓	✓	✓		FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal UAV,Robot, and Intelliect Gateway
WPEA-262AONRBI	Industrial	ac/a/b/g/n	-	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors	✓	Full Size Mini PCIe	Qualcomm Atheros QCA9882-BR4B	Dual Band	PCIe	-	✓		-		✓		FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot, and Intelligent Gateway
WPEA-262AONRB	Industrial	ac/a/b/g/n	-	✓	2×2	✓	-	-	2xIPEX MHF1 connectors	✓	Full Size Mini PCIe	Qualcomm QCA9882-BR4A	Dual Band	PCIe	-	✓	-	-		✓		FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal, UAV,Robot,and Intelligent Gateway
WPET-256AON(BT)	Industrial	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors, STR (ANT0 for WLAN only, ANT1 for WLAN+BT)	✓	Half Size Mini PCIe	Realtek RTL8822BU-CG	Dual Band	USB	USB	-	-	✓	✓	✓	✓	FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal and Intelligent Gateway
WNFQ-166AON(BT)	-	ac/a/b/g/n	5.0	✓	1×1	✓	-	-	2 x IPEX MHF4 connectors	✓	M.2 1630	Qualcomm QCA9377A	Dual Band	PCIe		-	-	✓	✓			FCC/CE/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot,and Intelligent Gateway
WPEQ-261AON(BT)	Industrial	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connectors(MAIN for WLAN, AUX for WLAN/BT)	✓	Half Size Mini PCIe	Qualcomm QCA6174A-5	Dual Band	PCIe	USB	-	-	✓	✓	✓		FCC/CE/TELEC/IC/KCC/NCC/AGMA /ANATEL/NCM	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal, UAV,Robot, and Intelligent Gateway
WPEQ-257AON	-	ac/a/b/g/n	—	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors	✓	Half Size Mini PCIe	Qualcomm Atheros QCA9882-BR4A	Dual Band	PCIe	-	✓	-	-		✓		FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal, UAV,Robot, and Intelligent Gateway
WPEQ-256AONI	Industrial	ac/a/b/g/n	-	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors	✓	Full Size Mini PCIe	Qualcomm QCA9882-BR4B	Dual Band	PCIe	-	✓	-	-		✓		FCC/CE	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot,and Intelligent Gateway
WPEQ-256AON	Industrial	ac/a/b/g/n	-	✓	2×2	✓	-	-	2 x IPEX MHF1 connector	✓	Full Size Mini PCIe	Qualcomm QCA9882-BR4A	Dual Band	PCIe	-	✓	-	-		✓		FCC/CE/TELEC/IC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot, and Intelligent Gateway
WPEQ-166AON(BT)	-	ac/a/b/g/n	5.0	✓	1×1	✓	-	-	2 x IPEX MHF1 connectors(main antenna 0 on, diversity antenna 1 off)	✓	Half Size Mini PCIe	Qualcomm Atheros QCA9377-7	Dual Band	USB	USB	-	-	✓	✓	✓		FCC/CE/TELEC	Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front,Rear Terminal ,UAV,Robot, and Intelligent Gateway
WPEQ-262AONI	Industrial	ac/a/b/g/n	-	✓	2×2	✓	-	-	2 x IPEX MHF1 connectors	✓	Full Size Mini PCIe	Qualcomm AtherosQCA9880-BR4B	Dual Band	PCIe	USB	-	-	✓		✓		FCC/CE	Developed for Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot, and Intelligent Gateway
WPEQ-262AON(BT)	-	ac/a/b/g/n	5.0	✓	2×2	✓	-	-	2 x IPEX MHF4 connector	✓	M2 (NGFF) 1630	Qualcomm QCA6174-5	Dual Band	PCIe	USB	-	-	✓	✓			FCC/TELEC	Developed for Industrial PC,In Vehicle PC,In Vehicle Router,Outdoor IPTV,Vehicle mounted front Rear Terminal ,UAV,Robot, and Intelligent Gateway