AIRETOS
BY VOXMICRO

- CONSULTATIVE DESIGN-IN   - PROACTIVE SUPPLY CHAIN   - GUARANTEED QUALITY OEM / ODM
FOR CORPORATE AND SALES, LINE-CARD, CONFIGURATOR AND SAMPLES VISIT WWW.VOXMICRO.COM
REGIONAL OFFICES IN CALIFORNIA (USA) – OXFORDSHIRE (UK) – HONG KONG AND TAIWAN R.O.C.
AIRETOS® AND OxfordTEC® ARE TRADEMARKED PRODUCT BRANDS OF THE VOXMICRO GROUP.

AIRETOS   E94   CLASS

Dual Band (DB) 2.4Ghz + 5 Ghz wireless connection up to 300Mbps

Lowest (best-in-class) power consumption

Extended temperature grade version

Support for DirectConnect / Wi-Fi CERTIFIED Direct® and Miracast®

Modular World Regulatory Certification (50+ domains)

PRE-APPROVED ANTENNA SERIES

WAPH	Internal, PCB Dipole	< 2.5db
WAFH	Internal, FPC Dipole	< 3db
WAMF	Internal, F-Type PIFA	< 3db
WAND	External, Omni	< 5db
WEAD	External, PCB Dipole	< 5db

† list may vary by domain

TECHNICAL SUMMARY

Chipset	Qualcomm-Atheros AR9462-BL3A
Standard	IEEE 802.11abgn Wi-Fi + Bluetooth v4.2
Data Transfer Rates	Up to 300Mbps (dynamic)
Industrial Reference	Qualcomm Atheros reference design WB222 (QCA P/N AR5B22)
Communications Interface	WLAN via PCI Express Standard 1.1 host I/O + Bluetooth via USB PIN mapping
Antennas	I-PEX / U.FL connectors: CH0 for WLAN and BT coexistence
RF Output Power, per chain	up to 19dBm
RF Output Power, combined	up to 21dBm
Industry Standards	Wi-Fi CERTIFIED Direct®, Wi-Fi CERTIFIED Miracast®
Power Consumption	269.11 mA
Operating Temperatures	UP TO -20 ~ +85 Celsius
Operating System	Windows, Linux, macOS, Android

COMMERCIAL SUMMARY

Year Released	2013	**Expected Lifespan**	EOLed in 2023
Production Status	MP	**Effective Lead-time**	5.5 weeks
Samples Availability	Online & On-Request	**Regulatory Approvals**	World

	VARIANT MPNs	Chains	Grade	Form Factor	MSRP
EOL	AEH-AR9462-LCB	2x2	Commercial	[H] Half-mini mPCIe	$ 24.95
EOL	AEH-AR9462-LXB	2x2	Extended	[H] Half-mini mPCIe	$ 29.95
EOL	AEH-AR9485-NC	1x2	Commercial	[H] Half-mini mPCIe	$ 14.95
EOL	AEH-AR9485-NX	1x2	Extended	[H] Half-mini mPCIe	$ 17.95