19.95 EUR
incl. 19% VAT, plus shipping

- WLAN
- Bluetooth
- Half-Height Mini-PCIe

Support: Specifications

AW-NB037H Product Features:
* 2 Antenna to support 1(Transmit) x 1 (Receive) technology and Bluetooth
Antenna 1: WiFi TX/RX
Antenna 2: Bluetooth TX/RX
* High speed wireless connection up to 150 Mbps
* Low power consumption and high performance
* Enhanced wireless security
* Fully qualified Bluetooth v2.1 system
* Enhanced Data Rate(EDR) compliant for both 2Mbps and 3Mbps supported
* Fully speed operation with Piconet and Scatternet support

The Azurewave IEEE 802.11b/g/n WiFi with Bluetooth 2.1 Class II combo half size mini card module - AW-NB037H. The AW-NB037H module is a highly integrated wireless local area network solution to let users enjoy the digital content through the latest wireless technology without using the extra cables and cords. Wireless and Bluetooth network card that operates in the 2.4GHz spectrum. Designed for use with compatible small form factor mainboards that have a PCIe Mini Card slot.

Fully compliant with Bluetooth v2.1, which supports EDR of 2 Mb/sec and 3 Mb/sec for data and audio communications.

The AW-NB037H module adopts Atheros AR9285 with AR3011 solution.

The AW-NB037H module enables a high performance, cost effective, low power, compact solution that easily fits onto two sides of the PCI Express and USB Combo Half Mini Card.

Model Number	AW-NB037H
Wireless Technology	802.11n/b/g + Bluetooth
Wireless Chipset	Atheros 9285 + 3011
Electrical Interface	PCI-Express (WiFi) + USB (BT)
Physical Connector	PCI-Express (WiFi) + USB (BT)

Data Rate	802.11 g/n: OFDM 802.11 b: 11, 5.5 Mb/sec. (CCK) 2 Mb/sec. (QPSK), 1 Mb/sec. (BPSK)
Power Consumption	See Data Sheet in Downloads Tab
Security	WEP 64-bit and 128-bit encryption WPS (WiFi protected access) WPA2 with AES CCMP
RF Power	Wireless: 802.11b: Typical 17 dBm at all rates +/- 1.5d Bm 802.11g: Typical 15 dBm at 54 Mb/sec. / 17dBm at 6 Mb/sec. +/- 1.5 dBm 802.11n 2.4G HT20 : Typical 13 dBm at MCS15/17 dBm at MCS0+/-1.5 dBm 802.11n 2.4G HT40 : Typical 11 dBm at MCS15/16 dBm at MCS0+/- 1.5 dBm Bluetooth: -6 ≤ Output Power ≤ +4 dBm (conductive)
RF Sensitivity	802.11b: less than -78 dBm (11Mbps) 802.11g: less than -68 dBm (54Mbps) 802.11n: less than -62 dBm at HT40 MCS7 less than -65 dBm at HT20 MCS7 BT: BER < 0.1% (Anritsu 8852B Tx -70Bm)
Dimension	29.9 x 26.7 x 4.3 mm
Antenna Options	Hirose U.FL-R-SMT Wireless: TX/RX Bluetooth: TX/RX
Software Support	Windows 7, XP, Linux
Temperature Operating	0 °C ~ 80 °C
Temperature Storage	-40 °C ~ 85 °C
EMC Certification	FCC, CE
Packing List	Module