

# WiFi USB Module



Data Sheet

## WiFi USB Module

The Amplex WiFi USB Module for AmsCPU/AmsCPI-IO provides maximum range and speed. Despite the size, this small USB adapter supports data rates of up to 150Mbps when connecting with wireless 802.11n device which is 3 times faster than your normally 11g connection.

Topic	Comments
Interface	1 USB 1.0/2.0 Type A
Antenna	Internal
WiFi standards	IEEE802.11b, 802.11g, 802.11n
Frequency bands	2.4000~2.4835GHz
Data rate	11b: 1/2/5.5/11Mbps 11g: 6/9/12/24/36/48/54Mbps 11n (20MHz): MCS0-7 (up to 72Mbps) 11n (40MHz): MCS0-7 (up to 150Mbps)
Security	WEP 64/128, WPA and WPA2
LEDs	Link/Activity
Dimensions	7.1(H) x 14.9 (W) x 18.5 (D) mm
Output power	11b:17 ±1.5dbm 11g:b:15 ±1.5dbm 11n:14 ±1.5dbm
Receive sensitivity	11n(20MHz)@MCS7: -68dBm±2dBm 11n(40MHz)@MCS7: -64dBm±2dBm 11g@54Mbps: -71dBm±2dBm 11b@11Mbps: -81dBm±2dBm
Approvals	CE, FCC , WiFi



## Ordering Information

Product	Order number
WiFi USB Module	250-50-000
AmsCPU	100-10-001
AmsCPU-IO	100-10-002