

8500 Series Mobile Computer adopts new Wi-Fi module for performance upgrade

The new Wi-Fi module is compliant with IEEE 802.11g and is backward compatible with the 802.11b standard. It enables high data transmission at up to 54 megabits per second (Mbps) in WLAN applications compared with 11 Mbps with the earlier 802.11b standard.

The new module also improves efficiency in power consumption. The 8500 Series is now able to work as long as 70 hours in WLAN mode which double the current working hours. Besides, the coverage is extended to 350 meters which is 40% increase from the current coverage.

	New Wi-Fi Module	Current Wi-Fi Module
IEEE Standard	802.11b/g	802.11b
Payload Data Rates	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54Mbps	1, 2, 5.5, 11Mbps
Working Hours	70	32
Line-of-sight Coverage	350 meters	250 meters

The WLAN Library and BASIC Runtime are updated for the new Wi-Fi module, but also support the current module.

- WLAN Library C: 8500lib.lib (v3.00)
- BASIC Runtime: Basic.shx (v3.00)

This new Wi-Fi module will be introduced into production of the 8500 Series Mobile Computers by the end of June 2007. For more information, please contact your sales representative.