

## Com6M Card – WiFi / BT / BLE Part Number: LBEE5ZSTNC-523-D

## **PRODUCT BRIEF**

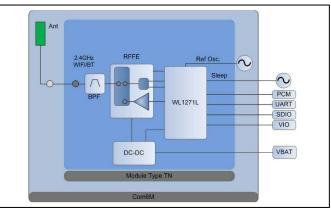


The Com6M Card is a wireless connectivity card based on Murata's type TN module and Texas Instruments WL1271L chipset. Com6M provides IEEE802.11 b/g/n wireless LAN, Bluetooth v3, including Bluetooth low energy (BLE) connectivity. The card interfaces directly to several Texas Instruments OMAP<sup>TM</sup>, SITARA<sup>TM</sup>, DaVinci<sup>TM</sup>, and Integra TM processors facilitating faster customer design cycles. Com6M includes FCC wireless certification further speeding the customer design cycle.

On card major components include the Murata type TN module, fast clock, U.FL connector, switch connector and chip antenna. Within the Murata type TN module is the WL1271L chipset, DC-DC converter, and the RF front end integrated circuit. The Com6M card interfaces to the Samtec MEC6-150-02, 100 position edge socket.

Com6M's purpose is a convenient plug-in wireless connectivity solution for microprocessor development platforms. Developers begin product development with a pre-integrated platform enabling application development to begin earlier in the cycle. This approach enables faster time-to-market. The customer eventually transitions from the development platform to the target form factor. The Murata type TN module will then typically reside on the customer's host board to optimize performance, cost, and area for mass production.





Characteristics			
Chipset	WL1271L		
Module	Type TN		
Supply voltage	2.7 to 4.3 Vdc for VBAT		
Interface voltage	1.8 for VIO		
Operating Temperature	-20 to +70 deg C		
Dimensions	36.36 x 25.43 x 1.6 mm		
Package	Card form factor		
Wireless	On card chip antenna		
Interfaces	On card switch connector		
	On module U.FL connector		
Socket interface	Samtec MEC6-150-02		

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