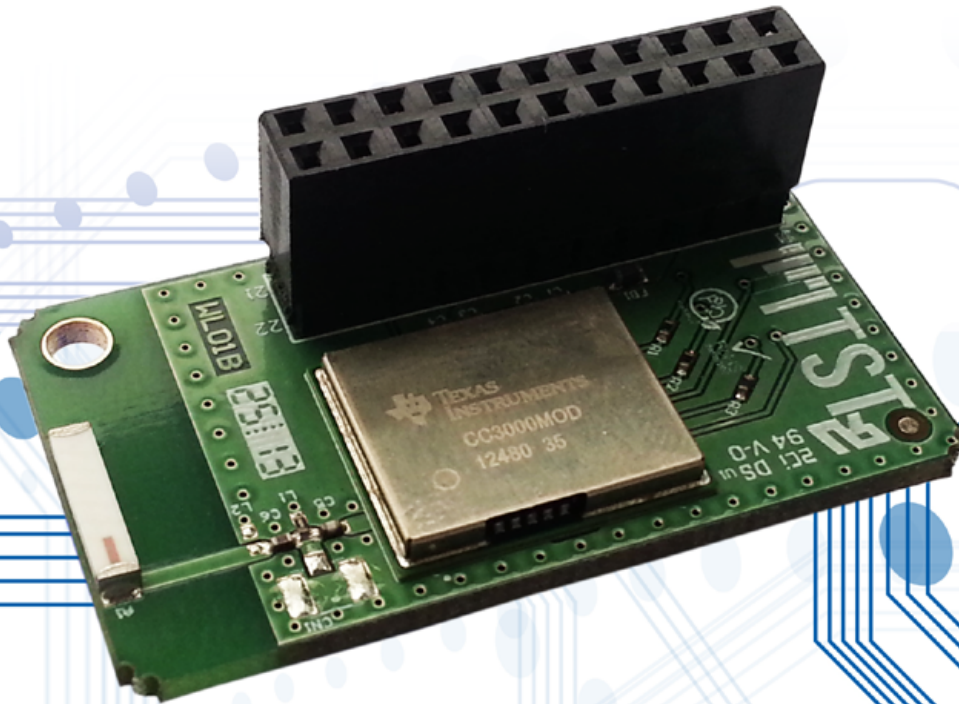


# WI-FI

# TSmart

## HIGH PERFORMANCE WIFI CONNECTIVITY OPTIMIZED FOR M2M DEVELOPMENTS



Wi-Fi module allows connection to 802.11b / g making it possible to exchange data at speeds of 54Mbps or faster.

In combination with TST API, it allows Wi-Fi connectivity of the TSmote modules, extending its possibilities to wireless data networks.

The board is based on the new module of Texas Instruments CC3000.

## KEY FEATURES

Low power consumption, ideal for battery applications.

Integrated chip antenna.

External antenna connector to increase the range.

Simple operation with TST API.

ELECTRICAL	
Input voltage	2,7 - 3,6 VDC
Internal voltage	3,3 VDC
TX current	260 mA peak
RX current:	103 mA
Current in sleep	2 uA

MECHANICAL	
Dimensions	24x 43 mm
Connectors	UFL connector for external antenna 22-pin male connector to TSmoTe / TSgaTe

OPERATING FREQUENCIES	
Data rates	1 - 54 Mbps
TX Power 1Mbps	18.3 dBm
TX Power TX 54 Mbps	14 dBm
Sensitivity 1 Mbps	-97.5 dBm
Sensitivity 54 Mbps	-75 dBm

ENVIRONMENTAL	
Operation temperature	-20°C / +70°C
Storage temperature	-40°C / +85°C
Certifications	CE, RoHS