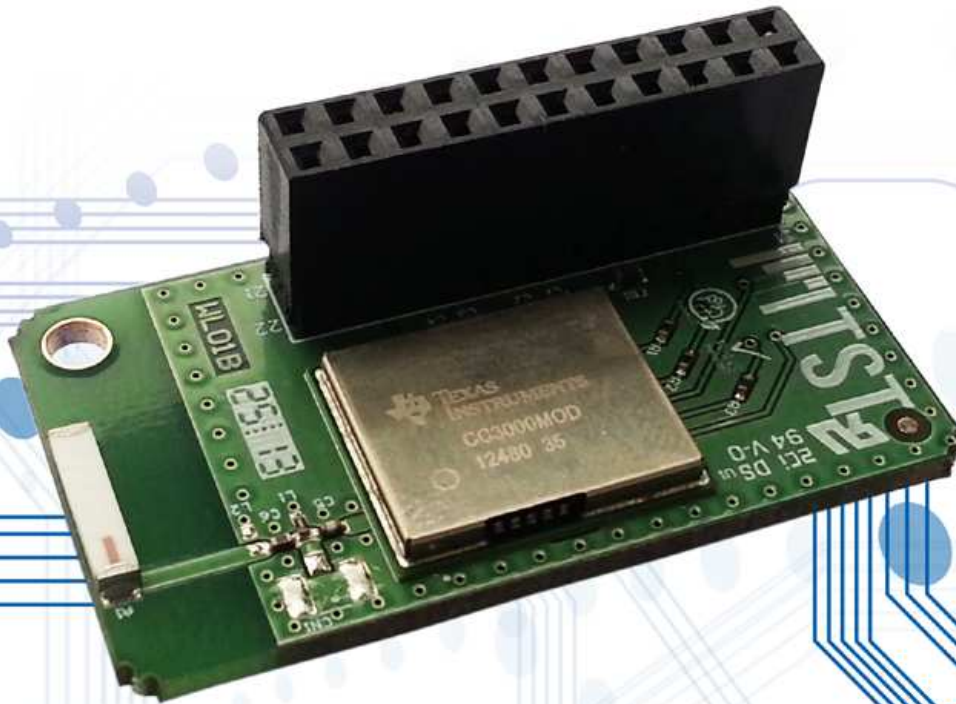


WI-FI

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