

TCU(Telematics Communication Unit)
Model No: 8B100-45T-A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Radiofrequency radiation exposure Information:

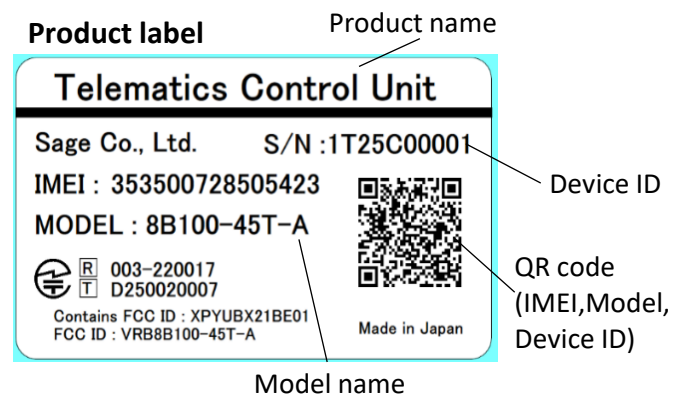
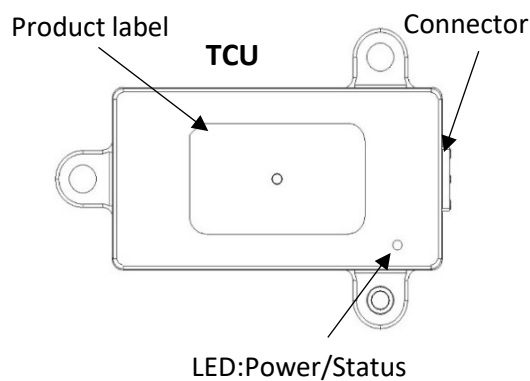
This equipment complies with FCC radiation exposure limits prescribed for an uncontrolled environment for fixed and mobile use conditions. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and the body of the user or nearby persons.

The equipment is only suitable for mounting at heights ≤ 2 m.

Specification

Product characteristics	Description	
MODEL	8B100-45T-A	
Power supply	DC:6V~16V	
Temperature Environment	-25 to +65 degC	
Size	84mm(W) x 114.8mm(L) x 26.6mm(H)	
Support Band	LTE	B2/B4/B5/B12/B26
Operation Frequency	729 MHz ~ 746 MHz 859 MHz ~ 894 MHz 1930 MHz ~ 1990 MHz 2110 MHz ~ 2155 MHz	
Maximum transmission output	LTE	Power class 3(23dBm)
Antenna Gain	0~3dBi	

Supplied items



LED specifications

state	Light pattern	Overview
TCU Power OFF	OFF	
Continuous operation (Cellular not connected)	Repeat the following state ON 2000msec → OFF 2000msec	
Continuous operation (Cellular connected)	Repeat the following state ON 2900msec → OFF 100msec	
During shutdown process	Repeat the following state ON 100msec → OFF 200msec → ON 100msec → OFF 500msec	
Warning	Repeat the following state ON 500msec → OFF 500msec	
TCU power ON or during startup	ON	