

FC200-NJT-499

Product Overview

The FC200-NJT-499 is designed to provide wireless communication ability for the TOPCON's "FC" Field Controller families to communicate with other wireless LAN devices using the IEEE802.11b/11g MAC/Baseband Processing. It can be easily attached to "FC" Field Controller and easy to operate through the User Interface of "FC"

Features

Wireless Features

The FC200-NJT-499 is a compact wireless LAN communication module designed for TOPCON's "FC" Field Controller families

Tx and Rx Operation Frequency:	2412-2462 MHz (US and Canada)
Modulation Method:	Direct Sequence Spectrum Spread (DSSS) and OFDM
Number of Channels:	11 (US and Canada)
Channel Intervals:	5 MHz
Bit rate:	1 Mbps (DBPSK/DSSS), 2 Mbps (DQPSK/DSSS), 5.5 Mbps (CCK/DSSS), 11 Mbps (CCK), 54Mbps (64-QAM/OFDM)
Channel selection mechanism:	Windows-CE English (North America) version is installed in the "FC" field controller as an operating system (OS) and any I/O device needs its own device driver. The device driver for the FC200-NJT-499 that is installed by TOPCON before shipping checks the region code in the registry area of OS. The device driver set the WLAN channels from 1 to 11 in the case the region code indicates a North America. Thus the WLAN channels of FC-200 shipped for US and Canada are determined 1 to 11. In addition, any user can't expand the WLAN channels because there isn't any utility to change the WLAN channels in OS and above mechanism including the source code of the device driver is kept secret by the manufacturer.

Physical Attributes

Size: 18mm (L) x 476mm (W) x 12mm (D)

Weight: 0.08 Kg

Operating Temperature: -20 deg. C to +50 deg. C

Power Requirements: 1.2 W @ +3.3 VDC from "FC" Field Controller

