



Smart Connectivity

Designed to suit virtually any agricultural machine or implement, the Topcon CL-55 Telematics Device goes beyond data collection, providing advanced capability for a fully connected ecosystem.

Time- and field-proven, it offers Automotive Manufacturing Standard IATF16949 certification and IP66 dust/water resistance.

Available in core modem configurations and including an optional RTK radio, it's ready for global implementation.

SPECIFICATIONS	
Microprocessor	ARM Cortex A7 – iMX6 UL (NXP)
Memory	
RAM	512 Mbyte
eMMC	8 Gbyte
Eeprom	512 Kbit
Ports & Connector	
Serial Port	1 x RS232 up to 115,2 kbps (on main connector)
CAN	4 independent lines
Connector	Main: JAE 18 pin connector LAN Connector: M8 3pin connector for BRR and M8 4pin connector standard Ethernet Fakra: D-code for cellular antenna; C-code for GNSS antenna; L-code for diversity antenna; RP-SMA for Wi-Fi & BT
Input/Output	3 in + 2 out programmable I/O analog/digital lines
Key-on sensing	Level sensitive digital input able to sense the +15
Real Time Clock	Yes
Motion Sensor	3-Axis Accelerometer and Gyro
Modem	3G Global, LTE CAT 1 Verizon, LTE CAT1 AUS, EU&JP
SIM	On chip Global coverage and Verizon variant
Antennas (External)	GNSS, Cellular (included diversity) and Wifi & BT antennas
GNSS Receiver	GPS L1, Glonass L1, Galileo E1 and BeiDou B1 Internal LNA – Passive antenna supported; A-GPS and SBAS compliant NTRIP compliant; PPS available
Wi-Fi	MultiRacdon Module with Wifi & BT.: <ul style="list-style-type: none"> • Wi-Fi standard 802.11ac. Backward compatible with 802.11a/b/g/n • 802.11ac PHY data rates • Simultaneous dual-band (2.4/5 GHz) operation • Simultaneous station (STA) and access point (AP) operation with up to 10 clients enables • Support of Wi-Fi direct
LAN	Automotive Ethernet Broad R-Reach and Standard Ethernet Line
RADIO (OPTIONAL)	RADIO RTK SATELLINE-M3-TR49 radio transceiver module operating on 410-475 MHz and 902-928 MHz
Power Supply	8V – 36V (ISO7637-0-1-2 compliant)
Batteries	LiFePO4 1500mAh Rechargeable
Remote Capabilities	
Configuration	Yes (OTA)
Firmware Update	Yes (OTA)
Environmental	
Water/Dust Resistance	IP66
Operating Temp. Range	-40°C to 85°
Certification	RED / CE / ECER10 / FCC / IC / IATF16949
Physical Dimensions	119.5 x 112.5 x 32.2 mm (connectors excluded)

Please contact EU OEM Sales Manager for ordering information: