



Intelligent Farm Connectivity

Designed to suit virtually any agricultural machine or implement, the Topcon CL-55 cloud connectivity device goes beyond automatic data collection and upload, providing advanced capability for a fully connected ecosystem.

The CL-55 serves as the backbone of our Topcon Agriculture Platform, a cloud-based farm management system that manages mixed fleet data seamlessly from the field – collecting, analyzing, visualizing and delivering actionable insights. Topcon Cloudlynk devices enable TAP Connect, providing automatic data sync, remote support, fleet management, and file transfer back to the machine.

Available in core modem configurations, NTRIP-ready, and including an optional RTK radio, it's ready for any operation.

SPECIFICATIONS

Microprocessor	ARM Cortex A7 – iMX6 UL (NXP)	
Memory	RAM	512 MB
	eMMC	8 GB
	Eeprom	512 KB
Ports and Connector	1 x RS232 up to 115,2 kbps (on main connector) 4 independent lines 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 and Bluetooth	
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 Wi-Fi and Bluetooth 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	MultiRadion Module with Wi-Fi and Bluetooth: <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	8 V – 36 V (ISO7637-0-1-2 compliant)	
Batteries	LiFePO4 1500mAh Rechargeable	
Remote Capabilities	Configuration	Yes (OTA)
	Firmware Update	Yes (OTA)
Environmental	Water/Dust Resistance	IP67
	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)	

Complementary Products



Topcon Agriculture Platform (TAP)
Digital farm management



Crop Health Monitoring
CropSpec sensor for optimized application



Harvest Yield Monitoring
YieldTrakk non-contact optical sensor system

Specifications subject to change without notice.
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