Cloud Connectivity Device

CL-20

Seamlessly transfer data from many third party consoles to TAP

Designed to interface with many in-cab consoles across the agriculture industry, the CL-20 cloud connectivity device provides streamlined data transfer to the Topcon Agriculture Platform (TAP). TAP is our farm management ecosystem which provides universal organization and visualization for actionable insights across the crop cycle.

Utilizing a USB connection for simple setup, plus integrated cellular connectivity for convenience and efficiency, the CL-20 does not require an additional internet source to transfer data. Tied to TAP, you can easily manage mixed data in a single platform.

CELLULAR VARIANTS	
SIM Type	SIM-on-Chip for each of the regional variants Externally accessible Micro SIM socket (12 x 15 mm)
LTE Variants	USA (Verizon), Australia/New Zealand (Telstra), Europe, Japan
3G Variant	North America, Europe
COMMUNICATION	
USB	1 upstream to 2 downstream USB Hub 1 user accessible downstream USB-A port Full Speed compliant (480 Mb/s) Port Speed autodetect capable
WiFi	802.11 b/g/n compliant Output Frequency: 2.4 GHz Channels: 1–13
GNSS	72 channels GPS/QZSS L1C/A, GLONASS L1OF, BeiDou B1I, Galileo E1B/C, SBAS L1C/A: WAAS, EGNOS, MSAS, GAGAN
Antennas	Internal WiFi antenna Internal cellular antenna External 50 mm diversity antenna (LTE variants)
POWER	
Supply Voltage	5 VDC Integrated power conditioner in CL-20 harness allows 9–36 VDC machine power
Battery	None
PHYSICAL & ENVIRONMENTAL	
Connector	M8 - 4pin connector (power and USB communication)
Dimensions	75 mm x 100 mm x 28 mm (excluding M8 connector and LTE antenna)
Housing	Plastic front cover sealed on aluminum backplate
Weight	0.5 lbs. (225 g)
Status Indicator	One dual color LED (green / orange)
Temperature rating	Operating: -25°C to 65°C Storage: -40°C to 85°C
Ingress Protection	IP65
ELECTRICAL & FUNCTIONAL	
Microprocessor	ARM Cortex A5 with integrated RAM
Operating System	Linux
Memory	RAM: 128 MB DDR2 (embedded) Flash: 8 GB eMMC
Software Updates	OTA via cellular service
COMPLIANCE CERTIFICATIONS	
Regulatory Certifications	RED, CE, FCC, IC, RCM, JRF/JPA, RoHS