

Cloud Connectivity Device

CL-20



X Family console connectivity

Seamlessly transfer data from many third party consoles to TAP

Designed to interface with Topcon X-Family (XD, XD+, X25, X35, X30) or with many in-cab consoles across the agriculture industry, the CL-20 cloud connectivity device provides streamlined data transfer via cellular-network to the Topcon Agriculture Platform (TAP). TAP is our farm management ecosystem, offering universal data organization and visualization for actionable insights across the crop cycle. For the current line-up of X-Consoles (XD, XD+, X25, X35), the CL-20 enables automatic data sync, remote support, and file transfer back to the machine – completely automating the data workflow. It is also suitable to provide NTRIP corrections via Topcon console and receiver.

For 3rd party and Topcon legacy X30 consoles, connected through USB for simple setup, the CL-20 enables streamlined transfer to TAP. It provides users an efficient method to organize and manage key task data in a single platform.

Specifications subject to change without notice.
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CELLULAR SPECIFICATIONS

Modem	Global, CAT 1, LTE, 2G/3G Fallback
Remote SIM Socket	Externally accessible Micro SIM socket (12 x15 mm) for alternative SIM card
SIM	Embedded SIM-on-chip (Global)

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 GNSS antenna Internal WiFi antenna Internal cellular antenna External cellular diversity antenna (50 mm)

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	80 mm x 100 mm x 26 mm (excluding M8 connector and LTE antenna)
Housing	Plastic front cover sealed on aluminum backplate
Weight	0.42 lbs (190 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, RoHS
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