

CTM-ONE INSTALLATION OVERVIEW

CTM-ONE Wireless Gateway

The CTM-ONE is an easy-to-install cellular gateway that supports both internal and external antenna connections. In some cases, external antennas may need to be used to provide adequate Cellular/Wi-Fi/GNSS operation. The wireless gateway has a single point of connection to vehicle OBDII or J1939 port and no other wiring is needed.

- + External antennas can be used if device is already installed in vehicles
- + Draw power from vehicle CAN Bus (OBDII/J1939) - no other cabling required
- + For non-CAN vehicles, the device can be connected with a DC power cable for direct connection



OBDII

J1939

GPIO cable

DC power cable (optional)

Mounting with suction cup

Mounting bracket

Connecting external antennas (optional)

Antennas vary a great deal and should be selected based on the application the device is going to be used. All antenna connectors utilize SMA jacks with the exception of Wi-Fi/Bluetooth which require reverse polarity SMA (RP-SMA). For optimum performance, antennas should be mounted in a vertical orientation as high up as possible and with clear line of sight in all directions.



Cable input wiring harness in Elgin sweeper

Under passenger seat of salt truck

Mounting bracket with suction cup

Under driver seat of garbage truck

In trunk of car

GPS antenna on windshield

CTM-ONE Blade unit on tow plow truck

Optional Cable Covers

The CTM-ONE has accessory covers that can be installed to provide ingress protection for mounting in areas of excessive moisture and dust. These covers provide a degree of tamper protection if mounted correctly with sealed cable glands and fasteners properly torqued. Accessory covers can be secured with #8-32 screws.



Cable Cover - Side Access
Generic cable cover for applications that require side entrance



Cable Cover - Drilled/Glands
Generic cable cover (hole drilling required)



Cable Cover
Cable cover for applications that require limited weather sealing



+1 (877) 985 2878

www.cypress.bc.ca // support@cypress.bc.ca

@CypressSLTNS f/CypressSolutionsInc in/Cypress-Solutions-Inc



Cypress Solutions © | 3066 Beta Avenue | Burnaby, BC | V5G 4K4 | 604-294-4465