

2070-7T GPS MODULE

GPS SERIAL COMMUNICATIONS MODULE FOR 2070 CONTROLLERS



OVERVIEW

Sync your controller timeclock to GPS satellites to ensure accurate coordination and event/data logging with the Q-Free 2070-7T GPS serial communication module.

The module provides reliable, independent GPS time reference for 2070 controllers, including Q-Free's ATC and NEMA X-Series.

- GPS receiver operates on SP3 (slot A1) or SP1 (slots A2-A4)
- Additional DB9 EIA-232 serial port (C22S) operates on SP4 (slot A1) or SP2 (slots A2-A5)
- Fully hot swappable
- Tracking LED indicates GPS satellite acquisition status
- Puck-style stud-mount active GPS antenna included
- Microwave OS-9 clock update application included (operates with any 2070-1A, -1B CPU module)
- GPS loopback mode to DB9 (C22S) permits use as PC-hosted GPS receiver
- Standard NEMA-0183 GPS output message structure for custom integration

Meets or exceeds all applicable current Caltrans 2009 TEES specifications.

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SPECIFICATIONS

- Power consumption (typical)
 - 100mA @5V
 - 10mA @12V
 - 125mA @12V ISO
- Antenna
 - 28dB gain
 - 3m cable
 - SMA male
- C22S serial port
 - DB9 female
 - EIA-232
 - Up to 38,400 bps
 - Electronically isolated
 - 2070 SP2/SP4
 - Full modem control when used as SP2 (RTS/CTS/DCD)
- Operating temperature range of -40°C to +85°C

