

Specifications

Article number:	MI-3063-02
GPS vendor:	Lynx
Compatibility:	National Instruments C-Series (Compact RIO)
Input Voltage:	C-Series Interface (FPGA) or external +5-24Vdc
GPS Receiver Sensitivity:	-165 dB
Operating Temperature:	-30 to +80 degree Celsius
Storage Temperature:	-40 to +99 degree Celsius
Pulse per Second (PPS):	1 Hz pulse, 1us accuracy (Applied for time sync)
Serial interface:	RS-232
ASCII output sentences:	GGA, GLL, GSA, GSV, RMC, VTG
9-pin D-sub interface:	RS-232
Screw terminal interface:	RS-232, External Power, PPS
LED indicators:	Power, PPS/Satellite lock, RS-232 TX and RS-232 RX
Special features:	The GPS module can be used stand-alone. Apply power on the terminal block, connect the antenna and connect the serial line to your device/computer.



- Easy to implement hardware
- Easy to implement in software
- FPGA interface
- Direct access to NMEA strings and PPS in cRIO/FPGA
- Can be used as stand-alone unit
- Sample code for labview cRIO/FPGA included
- Sample code for time synchronisation of FPGA