

Key Features

- Reads and synchronizes to NMEA-0183 ASCII Messages
- Works with RS-232 and USB serial ports on MCR1000 and MCR5000
- Software controlled
- Supports multiple baud rates from 4,800 to 57,600
- May be added to **MCR1000**, **MCR5000** or **MCRPCIe**

Masterclock's MCR-NMEA is an add-in firmware option for Master Clock Reference devices which reads and synchronizes to NMEA-0183 messages.

The NMEA input option automatically detects and locks to the incoming NMEA-0183 messages. It is software controlled and locks to the most accurate time reference message available. Each MCR may be ordered with an MCR-NMEA input option.

NMEA-0183
time and date



Specifications	Input NMEA time stamped messages
Messages Supported	ZDA, GGA, GLL, RMC
Baud Rates Supported	4800, 9600, 19200, 38400, 57600
Data Bits	8, 7
Parity	None, Odd, Even
Stop bits	1, 2
Decode Rate	Up to once per second per message
Accuracy	Within 10 mS of receipt of first character of NMEA packet Note: overall accuracy to UTC top of second is dependent upon the NMEA output