

Encode Decode Interface Engine (EDIE)

Simplifies creating software applications to access and control OEM7 receiver data

Proven software interface toolkit

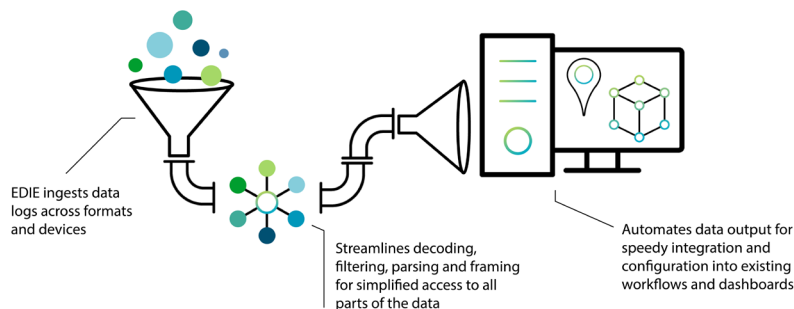
EDIE is a software development toolkit for those who create their own software interfaces or dashboards for OEM7 receivers from Hexagon | NovAtel. Used by NovAtel designers to develop NovAtel Application Suite, EDIE provides already written and optimised code for a seamless integration process into user's existing and customised workflows.

Full control of receiver messages

OEM7 receivers provide positioning, navigation and timing (PNT) information through OEM7 logs. To use the PNT data contained in these logs, your application must decode the logs to extract the information (position, time, velocity, etc.) needed. When built in to your application, EDIE enables easy access to all parts of this data for faster configuration and processing including decoding, filtering, parsing and framing. EDIE also provides the tools to convert the log data between ASCII, binary or abbreviated ASCII format or into other formats, such as JSON.



EDIE
Encoder decoder interface engine



Features

- Decode and encode binary, ASCII and abbreviated ASCII messages
- Encode OEM7 logs to JSON
- Convert RANGECMP* logs to RANGE logs
- Filter data by date, time, message ID, message name or decimation
- Identifies message framing to make message filtering faster
- Automated processing, decoding and configuration of data to work with receiver data in real-time or post-process
- Add definitions in EDIE to utilise the custom logs created on your receiver

Open source code available on GitHub

Available from the NovAtel GitHub repository, EDIE is an open-source toolkit that is free to build into your application as is, or it can be modified to your specific requirements under the MIT open-source license.

Contact Hexagon | NovAtel

sales.nov.ap@hexagon.com 1-800-NOVATEL (U.S. and Canada) or 403-295-4900 | China: 0086-21-68882300 | Europe: 44-1993-848-736 | SE Asia and Australia: 61-400-883-601. For the most recent details of this product: novatel.com

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