

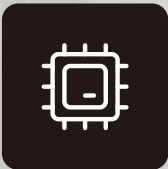


# Mars

- GPS
- 5G
- 10 GbE
- 3TB

## Ruggedized AI Edge Embedded System

Mars is powered by the next-generation module AGX Orin, which is suitable for complex AI models of huge amounts of video input analysis and large data transmission.



### Computing Performance

Support NVIDIA® Jetson AGX Orin™ to provide unparalleled computing power at the edge



### Rugged Designed

Market leading certified IP 65 rated enclosure for harsh environment



### Speedy Data Transmission

Support 10Gbe Ethernet port and 5G functionality to lower the latency in data transmission at the edge

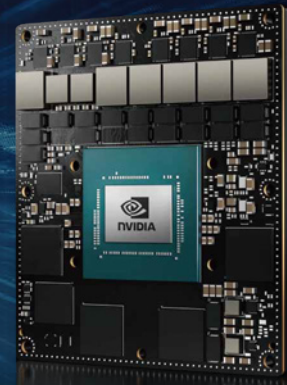


### OOB Management

Out-of-band management for power cycling and remote debugging to shorten the downtime

# Next level AI performance for next generation robotics

NVIDIA® Jetson AGX Orin™ series modules deliver up to 275 TOPS of AI performance with power configurable between 15W and 60W. This gives you more than 8X the performance of Jetson AGX Xavier™ in the same compact form-factor for robotics and other autonomous machine use cases.



## Use Case

### Background

Effective transport management is the core of smart city development. Advanced AI can help to manage traffic flow at city junctions in real time, ensuring zero latency in emergency responses.

### Challenge

To handle the entire city, there will be a large-scale deployment of thousands of edge devices with a remote device management platform to mitigate maintenance troubles. In the meantime, the device should withstand harsh weather conditions and be optimized for delivering real time image/video data on a continuous basis.

## Solution



Available with Edge Device Management - FleetTrackr



Enable with up to 15 cameras



Supported with SmartCow ITMS Suite Highlights:

- Plate Recognition
- Traffic Violation
- Traffic Anomalies
- Vehicle Classification
- Signal Planning

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