

IM500 Industrial IoT Module – Lite Overview

The IM500 Industrial IoT Module by Systems With Intelligence is designed to optimize asset monitoring and enhance safety in remote environments. Equipped with dual thermal and visual sensors, this module helps prevent equipment failures by detecting thermal faults before failures occur.

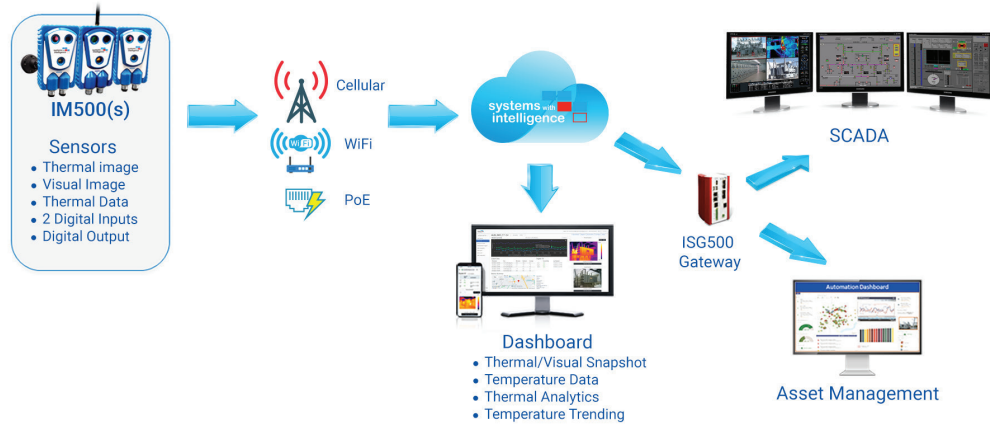
KEY FEATURES INCLUDE:

- **Dual Sensor Capability:** Thermal and visual imaging for comprehensive site awareness.
- **Secure IoT Connectivity:** Ensures safe data transmission to cloud dashboard for real-time monitoring.
- **External Sensor Integration:** Digital I/O connects with additional sensors.
- **Low Power Consumption:** Ideal for energy-conscious operations.
- **Adaptable for Various Systems:** Optional compatibility with SCADA/GIS and asset management platforms.



IM500 Dashboard and Connectivity Highlights

INDUSTRIAL IoT ARCHITECTURE



DASHBOARD

- Monitor the site and control remote sensor operation
- Thermal trending of monitored assets
- Thermal and visual snapshots
- Configure thermal analytics and alarms

CONNECTED SENSORS

- Onboard I/O allows connection of external sensors
- Monitor water level, door closures, temperature etc.
- Adjust polling rates

COMMUNICATION

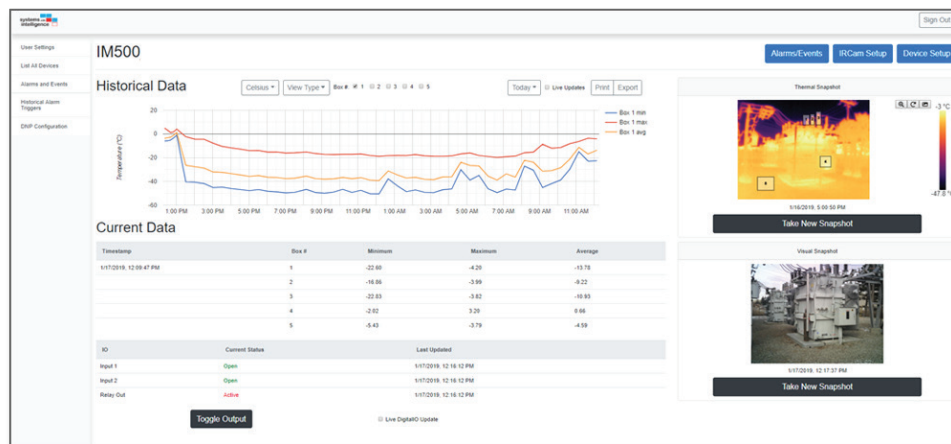
- Cellular, WiFi or PoE communications

UTILITY GRADE

- Designed for the harsh conditions found in electric power environments
- Immune to the effects of EMI, ESD and voltage surges and interrupts

Top Benefits:

- Reliable operation in harsh conditions with low maintenance.
- Easy installation and seamless updates.
- Real-time alerts for quick response to potential issues.



Dashboard example

The IM500 provides a reliable and secure way to monitor remote assets, ensuring operational efficiency and safety.

For further details or to see how it can fit your needs, sign up [here](#) for an in-depth datasheet.