



Local Intelligence Unit (LIU) is a programmable device that can run custom traffic control algorithms. TIM provides a state-of-the-art solution for traffic control and lets you take control of your traffic.

Note: Under ITSPE's policy of continuous development and improvement, this product may undergo changes in the future.

## LOCAL INTELLIGENCE UNIT

### Programmable traffic control device

LIU is a compact programmable hardware platform designed for use with traffic signal controllers. It comprises of a processor card and an I/O card. Users can load their own traffic control logic scripts written in Lua onto the processor. These scripts can access data from the traffic controller and detectors and drive outputs or send commands via the LIU I/O card. LIU can also be used as a local data logger to capture traffic data to its microSD card.

The LIU I/O card is available either with 8 inputs & 8 outputs or with 48 inputs and 16 outputs. The LIU is supplied with wiring looms to simplify its connection to the controller and it operates from the controller's own internal power supply using less than 2W.

A sample list of applications where LIU provides a cost-effective solution includes:

- Bus priority and compensation
- Control logic using input from advanced detectors providing more than vehicle presence data

- User defined plan switching logic
- Selective vehicle detection and priority
- Custom logic for complex junctions
- Traffic monitoring and real-time alerting
- UG405 based communication to UTC systems

This is by no means an exhaustive list. Please contact us to discuss your requirements.

Regardless of the unique nature of your traffic problem, LIU can help you achieve your goals.

### ORDERING INFORMATION

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