



Quarterhill's iSINC® Lite Electronics

A compact version of Quarterhill's powerful iSINC® system electronics that is ideally suited for traffic data collection and virtual weigh-in-motion applications.

Quarterhill's iSINC® Lite is a compact, rugged and low power system electronics that forms the core of IRD's traffic data collection systems. It contains a standard card rack, which can hold numerous configurations of interface cards. Each system electronics is identical with the exception of specific interface kits, which are selected to suit the requirements of your individual site.

Applications

- Traffic data collection
- Sorting traffic based on compliance with regulations
- Controlling external systems and equipment
- Pre-screening
- Virtual Weigh Stations
- WIM@Toll®

The iSINC Lite contains a powerful processor module and up to nine sensor interface modules. Signal inputs/outputs connect to the back panel using standard plug connectors.

Quarterhill's iSINC Lite features hardened electronics to accommodate temperature and environmental extremes, modularity and convenience for easy upgrade, and powerful multi-tasking software for improved speed and performance. These Weigh-In-Motion (WIM) Electronics are driven by a powerful Operating System, allowing you the flexibility to add additional advanced algorithms and new sensors in the future.



Features

- W4 Control Unit with Quad-Core Processor and 32GB Data Storage
- Expandable up to 9 sensor and control modules
- Sensor Modules - 4-Sensor Channels plus 1-Temperature input
 - Piezo Sensor Module (PSM) for Class I or II sensors
 - Quartz Sensor Module (QSM) for Lineas® Quartz WIM sensors by Kistler
 - Scale Sensor Module (SSM) for IRD-PAT Bending Plate, Single Load Cell or Slow Speed WIM sensors
 - Strain Gauge Strip Sensor Module (SGSM) for WIM Strip sensors by Intercomp
- Digital Input/Output Modules (DIOM) - 6-Channels
- Quick-connect field terminals with built-in surge-protection
- Web-based and console-based user interface
- Optional solar and communication package available
- Virtual Weigh Station Ready - Optional hardware upgrade with overview and license plate cameras
- ROHS compliant
- GR-1089 standard transient voltage protection

RoHS
Compliant[®]

