The Transport Intelligence Engine (TIE) is a flexible central intelligence unit for the collection and interpretation of railway wayside sensors and equipment. Designed to operate in the harshest environments of the world, over 500 TIE units are currently installed and in operation.

HARDWARE SPECIFICATIONS

- 1.6GHz Atom Processor
- Temperature rated to 70° C
- Electrically isolated I/O to 3000 V
- Up to eight, 8-wire isolated RS232 serial ports supporting 115200 Baud
- One factory selectable RS232/422/485 serial port
- 20 software configurable digital I/O ports, closed contacts or TTL levels
- Four factory selectable analogue inputs
- Two factory selectable USB inputs
- 10/100 Base-T Ethernet interface
- Optional integrated RFID reader, using dualantennae for single tag railways
- Audio radio interface, supporting PTT and Squelch closed-contact interfaces
- Interactive touchscreen LCD display for local diagnostics and

  maintenance
- Single 12/24/48V factory set power supply
- Low 30W max operating power draw (20W typical)
- Internal temperature monitoring
- 2GB industrial rated Compact Flash (2,000,000,000 bytes)

SOFTWARE SPECIFICATIONS

- Familiar and reliable XP embedded operating system
- 6 th Generation technology, the most advanced AEI system in the world

SUPPORTED PROTOCOLS

- Transcore MPRR/AI1200/Encompass/ SmartPass AEI Interfaces
- Directly compatible with Inspired Systems' Argus HBD System, incorporating ISO and TIE multi-drop serial and Ethernet communication protocols
- Modbus over sial, UDP and TCP
- Genisys over Serial, UDP
- UCE & S2 protocols optional

WARRANTY INFORMATION

- Three year hardware warranty, extendable to five years
- 12 month software defect liability period
- Support services located in Perth, Western Australia with off-the-shelf replacement spares available
- Product components or equivalent replacements are guaranteed to be available for a minimum of five years

Progress Rail
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