INFRASTRUCTURE

The Intelligent Control Module (ICM) is a flexible central intelligence unit for the collection and interpretation of railway wayside sensors and equipment. Designed to operate in the harshest environments in the world, the ICM is designed as a ruggedized low-power solution for mining and freight applications.

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

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