

**ASTeC**

**iCON** is a robust, modular, scalable industrial controller envisaged for process industries. It embeds Linux OS with real-time functionality, to augment the system for real-time applications. Powerful CPU & Communication controller modules are available for faster processing of control algorithms and for efficient communication with the HMI. Intelligent I/O modules acquire/control field signals (analog and digital).

### Modules

- ★ CPU Module
- ★ Communication Controller Module
- ★ Input/Output Modules
  - ★ 230V Digital Input Module with optical isolation
  - ★ 24/48V Configurable Digital I/O Module with optical isolation
  - ★ 4-20mA/1-5V Analog Input Module with optical isolation
  - ★ 4-20mA/1-5V Analog Input Module with relay isolation
  - ★ 4-20mA Analog Output Module with optical isolation

### Features

- ★ Real Time Clock
- ★ Open Source embedded Linux OS with real-time functionality
- ★ Redundancy in Power supply, CPU module, Communication Controller module and Communication link
- ★ Hot swappable modules
- ★ I/O expansion
- ★ Coldfire MCF5485 processor from Freescale

### Communication

- ★ High speed serial bus for I/O scanning
- ★ 10/100Mbps Ethernet communication using proprietary protocol

### Design Features

- ★ Power supply: 5V and 15V
- ★ 3U standard aluminium enclosure
- ★ Mounting Option: Rack mount or Wall mount