



iGate is an industrial communication gateway module to handle various open industrial protocols like Modbus, DNP 3.0 etc and CDAC proprietary DACS protocol. It communicates to the outside world through hardware interfaces like RS232 / RS422 / RS485, Ethernet, USB, Wi-Fi & ZigBee. It is aimed to address the lack of interoperability in the current industrial setup. It is designed to act as a middleware node that will allow seamless protocol conversion as well as management among all the end nodes, employing different physical interfaces and protocols for communication.

SOFTWARE FEATURES

- ✳ Modbus TCP master to DNP 3.0 Serial slave protocol conversion
- ✳ DNP 3.0 TCP master to Modbus RTU slave protocol conversion
- ✳ Modbus TCP to RTU and DNP 3.0 TCP to Serial protocol conversion
- ✳ Product Configuration remotely via Ethernet or locally via USB
- ✳ Customised Linux BSP

HARDWARE FEATURES

- ✳ Software configurable serial channels with galvanic isolation – 4 nos.
 - ✳ RS232 ✳ RS485 2Wire and 4Wire ✳ RS422
- ✳ Ethernet (10/100Mbps) Interface - 2 nos.
- ✳ USB Host Interface - 2 nos.
- ✳ Real Time Clock with battery backup

DESIGN FEATURES

- ✳ 166mm x 140mm x 56mm enclosure
- ✳ DIN mount option
- ✳ Wall mount option
- ✳ 5V, 6A Power Supply via external 230V AC Power Adaptor
- ✳ Add-on Wi-Fi / ZigBee wireless module option via USB interface