INDUSTRIAL INTERNET OF THINGS (IIOT)

Visit Our Factory for Live Demo

Since 1992
Smart IoT Devices

Smart IoT Module (SIM)
- 48-Nodes over MODBUS RTU
- Isolated RS-485 Input
- MQTT/TCP-IP Protocol
- JSON Data Format
- SMS & E-mail Alerts
- Settable Alarm Trigger
- Network Failure Logging

Smart IoT Gateway (SIG)
- 48-Nodes over MODBUS
- Dual SIM slot for Redundancy
- 4- DPDT Relays
- SMS & E-mail Alerts
- Buzzer, L.E.D. Indication
- GLCD Display
- Network Failure Logging
- Offline & Online Pendrive Logging

Smart IoT Device (SID)
- 96-Nodes over MODBUS
- SMS & E-mail Alerts
- Wired Connectivity from Node
  - RS-485
  - RS-232
  - Ethernet
- Quad-Band: 850/900/1800/1900MHz
- 3dbi Antenna

Smart IoT Converter - (SIC)
- 96-Nodes over MODBUS
- Wired to Wireless Converter
- Modbus RTU & TCP-IP
- Wireless Connectivity from Node
  - LORA
  - BLE
  - Wi-Fi
- Wired Connectivity
  - RS-485
  - RS-232
  - Ethernet

Ethernet to RS-485 Converter (ERS-485)
- L.E.D. for Communication & Power
- 10/100Mbps Ethernet
- TCP/UDP/Telnet Modes
- DHCP/Static IP Modes
- Web Based Configuration
- Low Power
- Low Cost

Ethernet to RS-232 Converter (ERS-232)
- L.E.D. for Communication & Power
- 10/100Mbps Ethernet
- TCP/UDP/Telnet Modes
- DHCP/Static IP Modes
- Web Based Configuration
- Low Power
- Low Cost

Wireless Gas Detector (WGD-Battery)
- CH₄, O₂, N₂, /Toxic Detector
- Daily device status SMS
- 1-Year Battery Life
- Dual SIM slot for Redundancy

Wireless Gas Detector (WGD-Powered)
- CH₄, O₂, N₂, /Toxic Detector
- Inbuilt Hooter cum Flasher for Alarm
- MODBUS RTU Protocol
- Isolated RS-485 O/P
- MQTT & TCP-IP Protocol
- SMS Alert
- Dual SIM slot for Redundancy
- Ambeliot.com Cloud Platform

SIG Receiver
- Dual SIM Card for Redundancy
- 32 - Node of WGD Series
- MODBUS RTU & TCP-IP Protocol
- 4 DPDT Relays
- Graphical L.C.D. Display
- Wired Connectivity from Node
  - RS-485 • RS-232 • Ethernet
  - Wireless Connectivity
  - LORA • IQRF
  - BLE • Wi-Fi

* Product images are only for representation, Actual image and size may differ
* Kindly ask for detail Catalogue and specification of each product
Illustrations

Smart IoT Converter (SIC)

RS-485
D+ D− SH

RS-232

RS-485 & RS-232 converter

GT-2500-FLP
STH-200-FLP
WGD-100
UIP-800-PMH

48 MODBUS SLAVES

1 GT-2500-FLP
2 STH-200-FLP
3 WGD-100

LoRaWAN LoRa

MQTT Broker

Manufacturing Control Room

Internet

Ethernet Hub

ERS-485
ERS-232

Ethernet to RS-485 & RS-232 converter

Smart IoT Module (SIM)

Manufacturing Control Room

IoT Cloud
• Up to 32 configurable nodes
• Any channel can be used in comparison with setpoints
• Alarm actions may include:
  - Alarm status on display
  - Relay activations
  - Buzzer activation
  - L.E.D. Indications

Safe SMS Format

ST: OK
GC: 0 %LEL
BT:100%
TM:18:19
DT:14 FEB 19
UID: 919191
LOC:MUM-ANDI
RSSI:-055

Alarm SMS Format

ST: AL2-HIGH
GC: 49 %LEL
AL2: 30 %LEL
BT:100%
TM:18:27
DT:14 FEB 19
UID: 919191
LOC:MUM-ANDI
RSSI:-055