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Crevavi Konnect

Introducing Crevavi Konnect – A device for remote monitoring and control of your Smart machines or equipment's using GSM/GPRS or Wi-Fi

Crevavi Konnect can be retrofit on already installed equipment which are to be remotely monitored

Customized Business logic can be built to Crevavi Konnect based on the application requirement with the On-board microcontroller

Crevavi Konnect is very useful in a very wide range of applications including Solar, Retail, UPS and Vending machine remote monitoring requirements

Konnect-Wi

- Upstream: Wi-Fi
- Downstream: RS232 / RS485 Modbus
- 4 Digital In, 4 Analog in, 2 Digital Out Signals

Konnect-B

- Upstream: GPRS
- Downstream: RS232 / RS485 Modbus
- Multiple Digital /Analog I/O Signals

Features

- Connect to Local server through Wi-Fi, or remote server through mobile network
- Downstream connectivity through CAN, RS232, Modbus, Bluetooth, or USB with smart devices
- Integrate Digital and Analog sensors
- Digitals outputs to control relays / switches
- Battery backed power (Li-ion charger inbuilt)
- Mobile app to monitor and control
- Shedule periodical response, or responds to command from server
- Programmable, to support various needs of business logics

Best Suited for

- Industrial machines and equipment
- Solar Projects, Industrial UPS, Power Monitoring
- Electronics Cash register, Vending Machines - Transaction Monitoring

Konnect-G

- Upstream: GPS + GPRS + Bluetooth
- Downstream: RS232 / RS485 Modbus
- Digital and Analog I/O

Konnect-SCAN

- Upstream: GPS + GPRS + Bluetooth
- Downstream: CAN, RS232 / RS485 Modbus
- Digital and Analog I/O

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Specifications

Item	Konnect-Wi	Konnect-B	Konnect-G	Konnect-SCAN	Konnect-LORA
Upstream COM	Wi-Fi	GPRS	GPRS, Bluetooth	GPRS, Bluetooth	LORA
GPS	×	×	√	√	Optional
COM Modem	ESP8266	Simcom SIM900A	Quectel MC60	Simcom SIM868	Semtech
Core	Arm Cortex M0	AVR 8Bit	Arm Cortex M0	Arm Cortex M0	Arm Cortex M0
Processor Speed	48MHz	32MHz	48MHz	48MHz	48MHz
On-chip Flash	64KB	32KB	256KB	256KB	32KB
On-Chip RAM	8KB	4KB	32KB	8KB	8KB
Storage Memory	No	EEPROM 128Bytes	SD Card	Serial EEPROM 2MB	Serial EEPROM 2MB
Downstream COM	RS232/ MODBUS	RS232/ MODBUS	RS232/MODBUS, Bluetooth	CAN, RS232/ MODBUS	CAN, RS232/ MODBUS
GPIO/Analog	√ Dedicated 8-In, 2-Out	√	√	√	√
Protocol Support	TCP, HTTPS, MQTT	TCP, HTTPS, MQTT	TCP, MQTT	TCP, MQTT	TCP, MQTT
Temperature	-25 to 85˚C	-25 to 85˚C	-25 to 85˚C	-25 to 85˚C	-25 to 85˚C
Input Power	9-28VDC	9-28VDC	9-28VDC	9-28VDC	9-28VDC
Dimension	105x75x25mm	95x70x25mm	70x50x20mm	70x55x20mm	70x55x20mm

Advantage Konnect

- IoT using cellular network eliminates the need to have broadband connection at site
- Business Logic can be customized to interface/control any device by on-board microcontroller, only optimal data is sent out to reduce bandwidth /tariff costs, unlike off-the-shelf products
- Enables clients to cost-optimize field service operations, personnel and fleet expenses
- Reduces down-time of devices and enables clients to make informed decisions with alerts and validation by deploying analytics of collected data

Embedded Hardware / Software design **IoT**

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