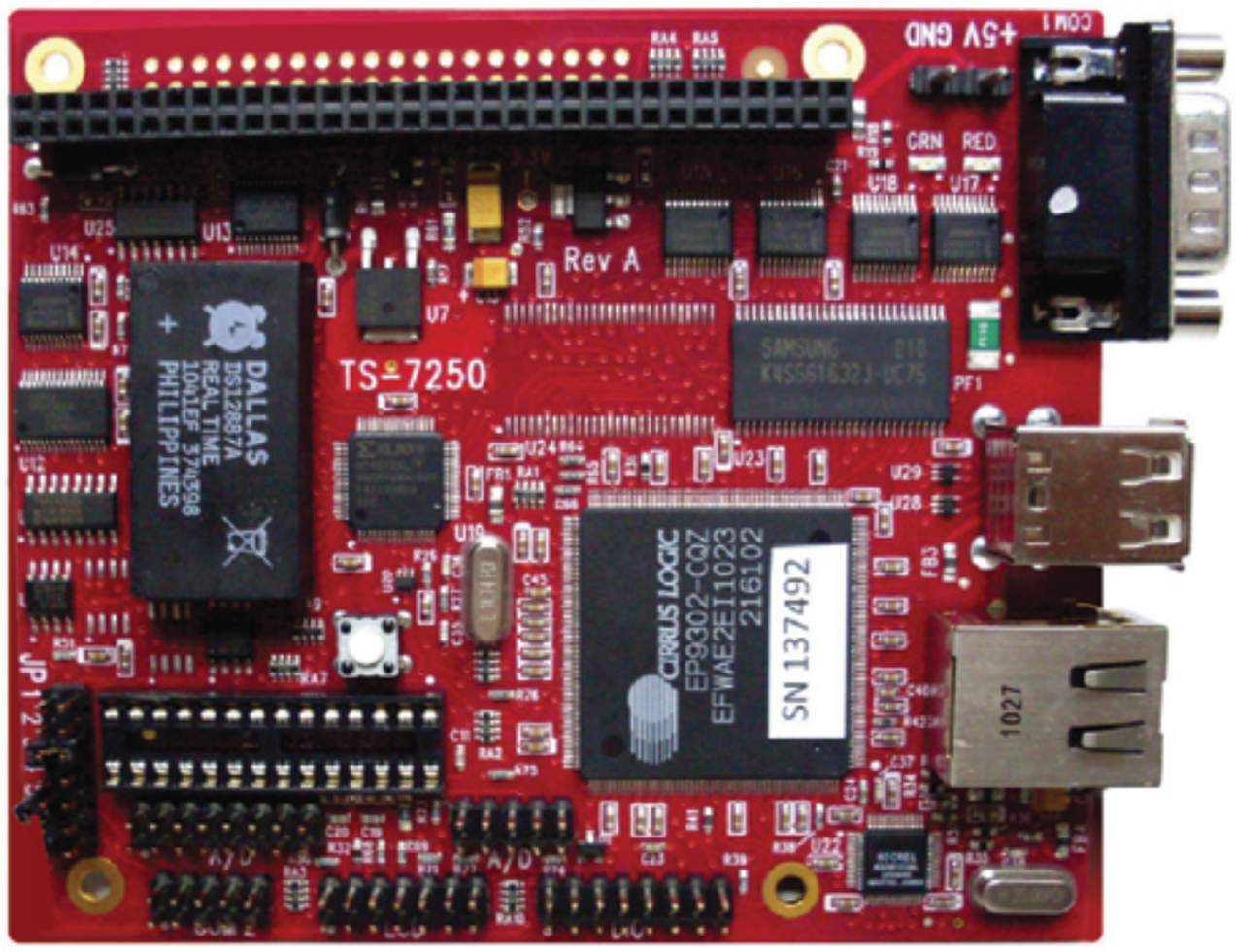
DEVICES WORLD

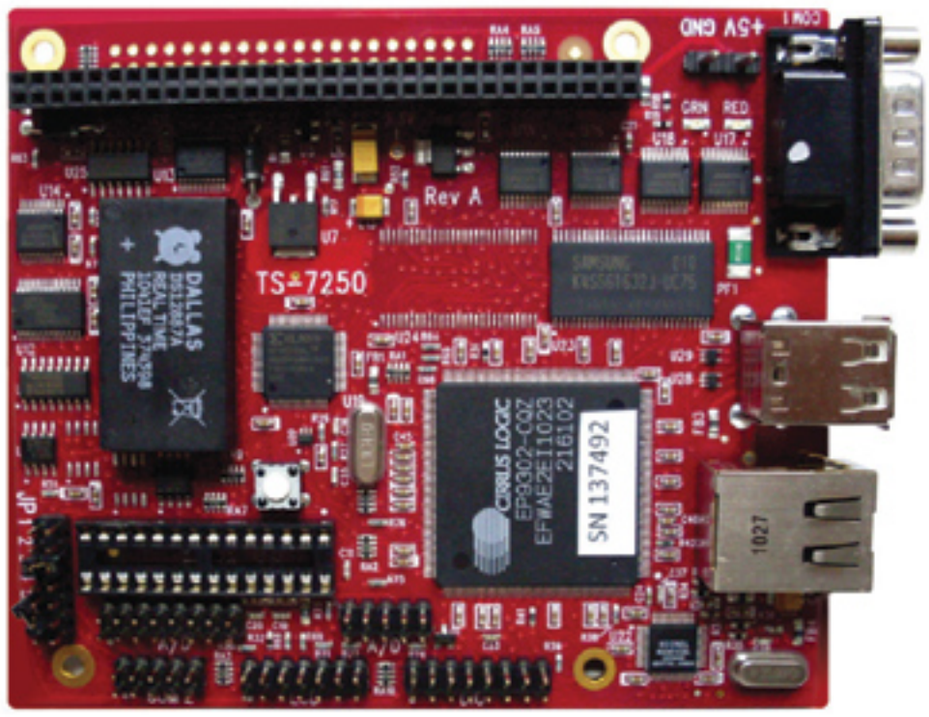


Datasheet :

Data Logger & Internet Gateway

3000 Series

Product Specifications



The Gateway 3000 Series is a single-board computer design, based on the powerful ARM9 EP9302 processor. The key benefit of a single-board computer is the absence of mechanical parts, which means the product reliability is enhanced. The Gateway 3000 features up to 32MB of NAND flash memory, as well as running the ability to run high speed SDRAM.

How to Order:

3244.1515

- Generation
- Input Type
- Primary Connection
- Secondary Connection
- No. of Modbus Devices
- No. of Parameters per Modbus Devices

Order options available for this series :

Internet Connectivity options [Primary.Secondary]+

- **4.4** External GPRS Only
- **5.5** LAN Only
- **5.4** LAN, External GPRS Backup

Features:

- Internet Data Acquisition Gateway with built-in Ethernet
- Multiple Internet connectivity Options
- Support Modbus/RTU in both RS232 & RS485 Mode
- Total 225 Modbus Parameters can be monitored

Applications Area:

- Energy / Power Meter
- Server Room
- Clean Room
- Base Transceiver Station
- Reservoir & Pump House

Processor	200MHz ARM9 CPU with MMU
Flash	32MB On Board NAND Flash
RAM	32MB RAM
Communication	10/100 Megabit Ethernet Port x 1 RS232 Port x 1 RS232 / RS485 Port x 1
Power	Single Supply +5VDC @ 450mA
Status Indicator	2 LEDs on-board: Power, Com
Operating Temperature	Fanless from -20°C to +70°C
Protocol	Modbus/RTU on RS232 / RS485 Port
No. of Modbus Devices	15
No. of Parameters	15 per Modbus Device
Scan Rate	Continuous
Sampling Interval	15s Min.
Data Rec Logging	99,999 records max.
System Rec Logging	99,999 records max.
Firmware Upgrade	Server Managed
Server Access	By Host IP or via DNS, programmable
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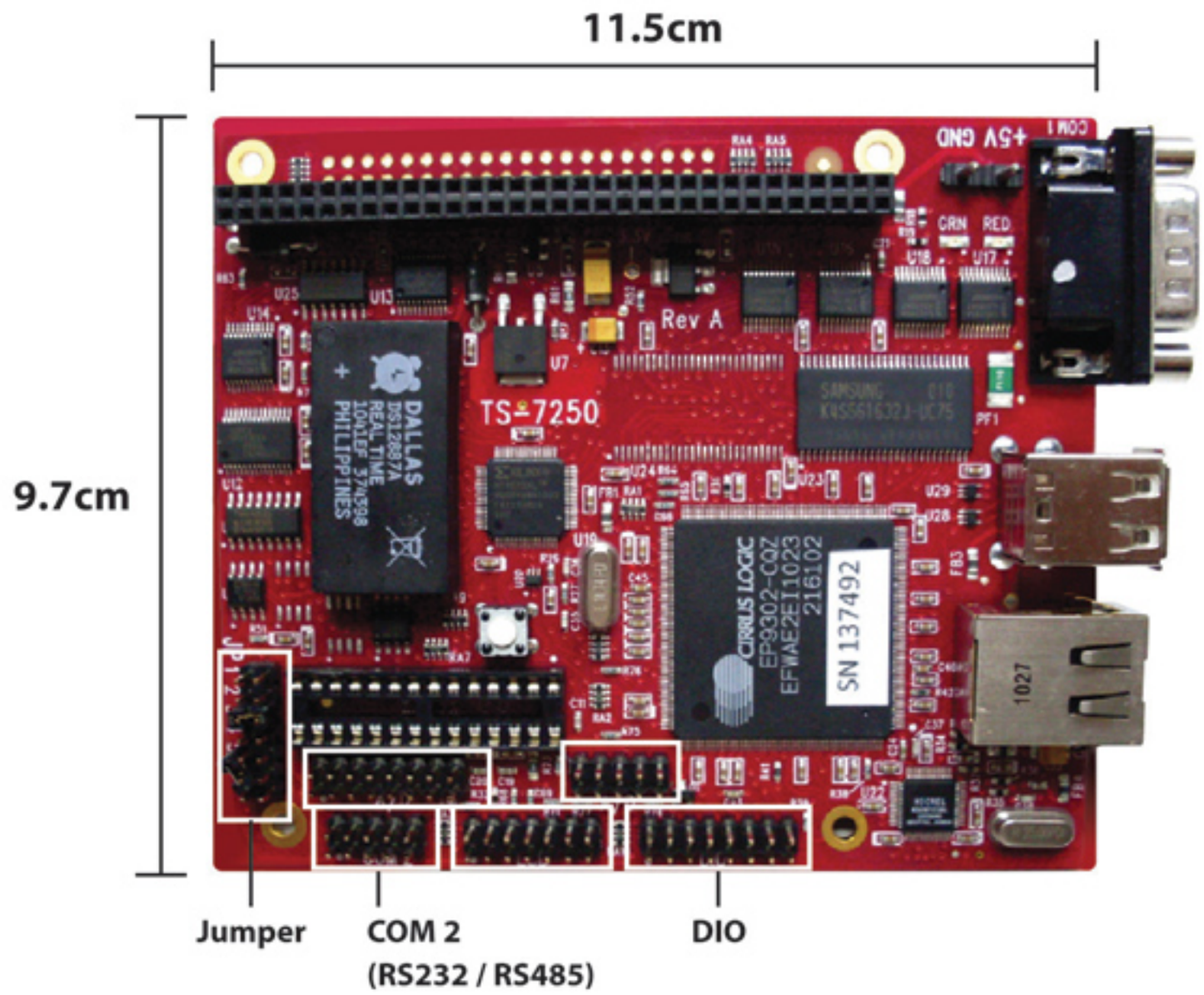
Server Access	By Host IP or via DNS, programmable
Data Security	Device-Server Encrypted
Data Transmission	Event driven and Server initiated
Auto-Connect	10 minutes to Never
Auto-Discconect	15 seconds to Never
System Check	Server supervised
Dimension	Dimension 9.7 x 11.5cm

Mechanical Drawings



Jumper	Description
JP 3	Write Enable Flash
JP 6	Restore Default

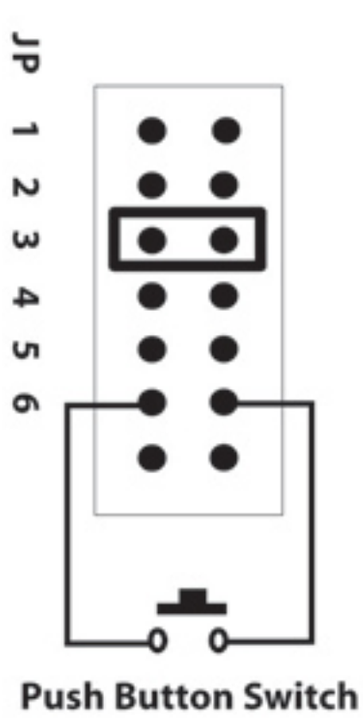
DIO	Description
Pin 1	Supply Control for External Modem
Pin 2	GND
Pin 3	Status : Power
Pin 5	Status : Server Communication
Pin 7	Status : RS232 / RS485 Communication
Pin 16	3.3 V

COM 2	Description	
Pin 1	RS232	RS485
Pin 1		TX + / RX +
Pin 2	RXD	
Pin 3	TXD	
Pin 5	GND	GND
Pin 6		TX - / RX -

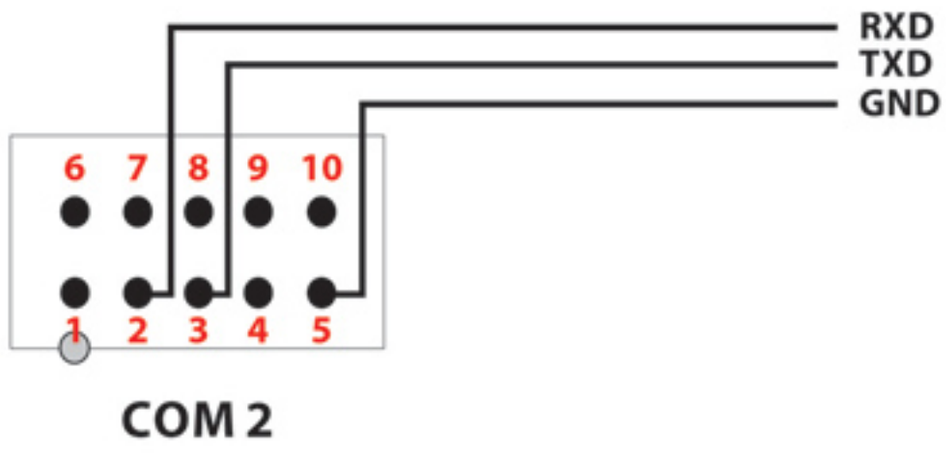
Note :
Pin 1, 3, 5 & 7 are able to source 4mA and sink 8mA and have logic swings between GND and 3.3V

Wiring Guide

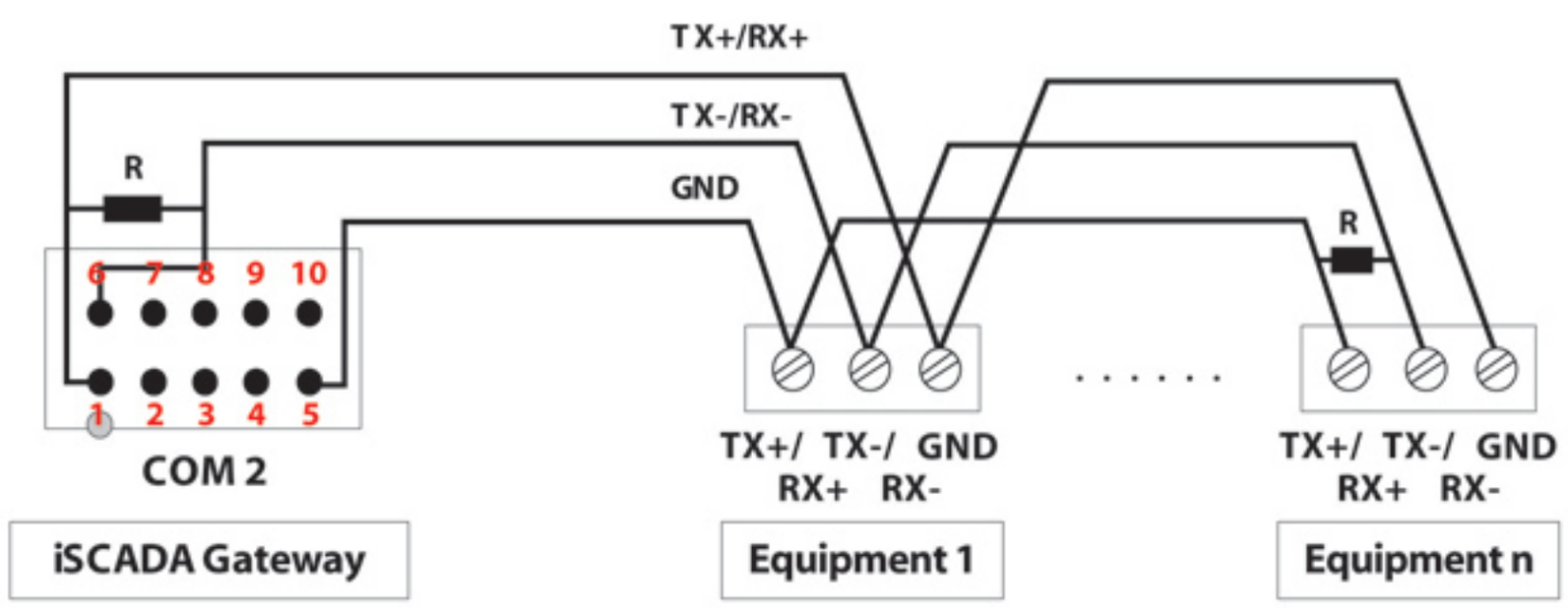
Jumper Connector



COM 2 Connector : RS232

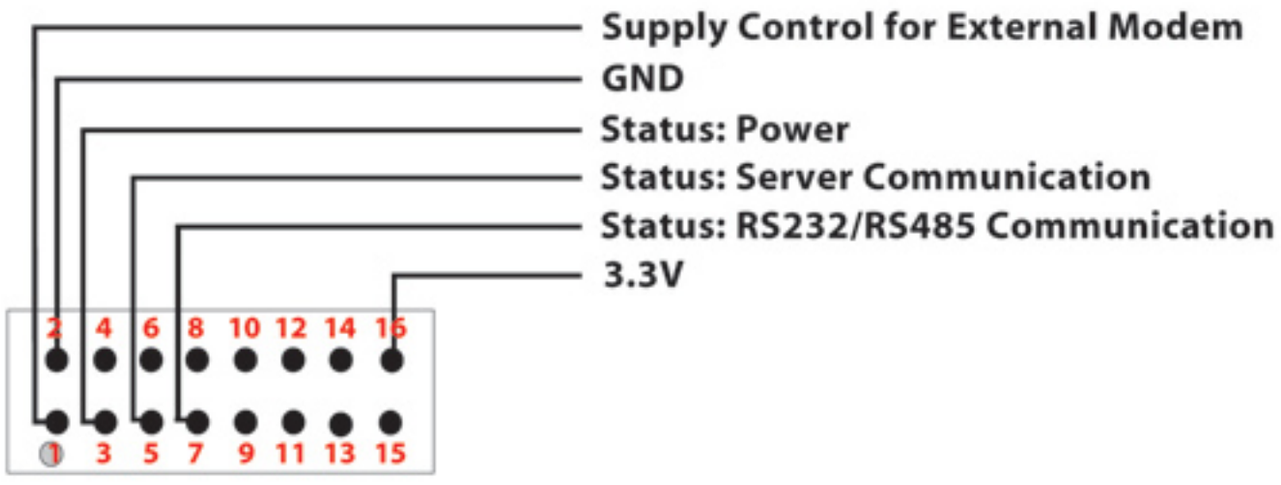


COM 2 Connector : RS485



Note: R = 120 ohm termination resistor

DIO Connector



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