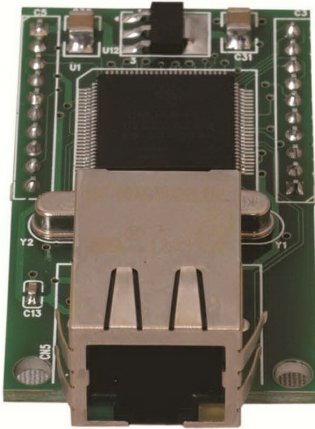


Order Information

Model: V3_S2E



Serial To Ethernet Server/Client

V3Novus S2E module accelerates the product development by providing ready-to-run hardware and comprehensive documentation. The compact design is based on a highly integrated ARM® Cortex™ –M3 microcontroller with integrated 10/100 Ethernet MAC and PHY, 50-MHz performance, and ample single cycle on-chip Flash and SRAM memory for efficient network traffic handling.

The S2E module includes one 10/100 Ethernet port, two serial ports and 3 I/O with flexibility that includes CMOS/TTL level signalling and hardware support for both synchronous and asynchronous serial communication.

HARDWARE SPECIFICATIONS

Processor

32-bit ARM Cortex-M3 microcontroller

Network Interface

10/100 BaseT with RJ-45 connector (100 Version)

10-pin header (200 Version)

Data I/O Interface (JP1)

- Two UARTs
- Up to 3 digital I/O

LEDs: Links, Speed

Physical Characteristics: Dimensions (inches): 2.00" x 1.10"

Power: DC Input Voltage : 5V @ 300mA typical

Environmental Operating Temperature: -40° to 85° C

KEY POINTS

- Serial to Ethernet server
- TTL serial device support
- Up to 10 LVTTTL digital I/O

FEATURES

- 10/100Mbps Ethernet
- TCP/UDP/Telnet modes
- DHCP/Static IP modes
- Web or AT command based configuration
- 32-bit performance

Connector Interface Description and Pinouts

Connector C5

Pin	Signal	Description
1	VDD	+5V
2	VDD	+5V
3	NC	No Connect
4	NC	No Connect
5	VCC	+3.3V
6	VCC	+3.3V
7	NC	No Connect
8	GND	Ground
9	NC	No Connect
10	GND	Ground

Connector C3

Pin	Signal	Description
10	U0TX	Transmit
9	U0RX	Receive
8	RESET_IN	I/O Pin
7	TX0_EN	Enable
6	TX1_EN	Enable
5	RST_N	
4	U1TX	Transmit
3	U1RX	Receive
2	NC	No Connect
1	NC	No Connect

Connector Locations for C3 and C5

