

Kx SERIAL ETHERNET WEB CONTROLLER

The web-based programmable controller is a KORTEX PSI IP-based solution that makes serial devices accessible over a network. Any host computer that supports the TCP/IP protocol can access the serial ports.

Introduction:

- Easy-To-Use and Cost Effective Web Based Programmable controller.
- ARM-7 CPU 80MHz with built-in uc-Linux OS
- 4MB Flash ROM and 8MB SDRAM
- Hardware interfaces as LAN, RS-232, RS-422, and RS-485
- Web server, Http server, FTP sever, Telnet server, NTP, SNMP, PPPoE, DDNS, DHCP.
- Customized API and CGI as Easy to program your own Web-Based application software, that you can easily move your PC side application software to this controller, and connect your machines and devices to this controller, and then begin able to remotely control and monitor your machines or devices using IE Browser without having to use a High Cost and complicated PC as a controller for connecting to your machines and devices.
- The current programmable controllers in the market are expensive and not easy to use. The Programmable Controller with our customized API and CGI is easy to use. With the Programmable Controller family, more interfaces will be introduced and released in the future such as Digital I/O, USB, I2C, and SD ... etc. which will enable your applications to become even more flexible and full range.
- LAN and WAN applications become more and more nowadays such as digital home control, green energy saving, and solar energy ... etc. The Programmable Controller is just the best fit that helps to make such applications easy and flexible.

Features:

- High speed @ 80 MHz, low power.
- LAN and WAN interface
- Real-time clock with NTP calibration
- HTTP web server
- FTP server
- Telnet server
- uClinux 2.4. 100% user programmable (2MB)

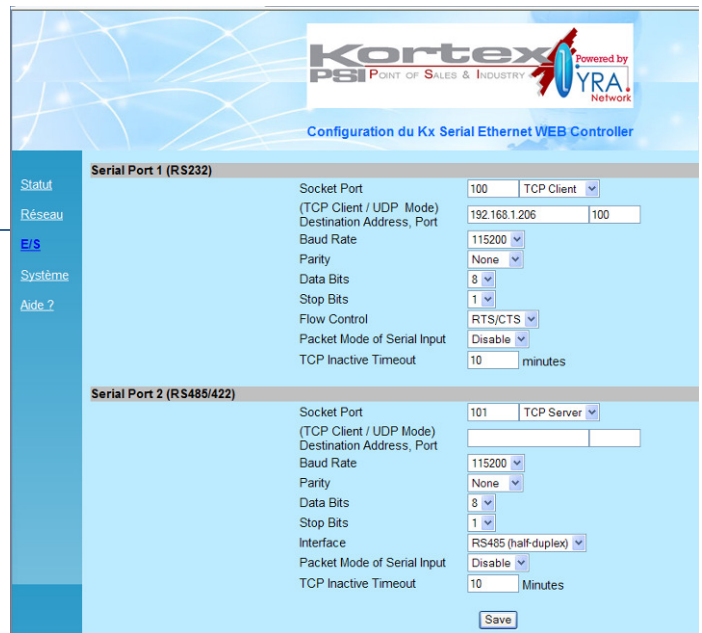


Kx Serial Ethernet Web Controller ref: X050SE

MAIN FEATURES

- Easy To Use
- LAN, RS-232, RS-422, RS 485
- LAN & WAN interface
- DHCP & NTP Server
- Http WEB Server
- FTP Server





System:

- Inetd - Internet service server
- Boa - HTTP server
- Ftpd - FTP server
- Telnetd - Telnet server
- Llogin - Telnet login
- Ifconfig - network configuration utility
- Route - network route utility
- DHCP - DHCP client
- Sh - command Shell
- Ping - ping utility

Specifications:

- CPU: 32-bits ARM-7 Winbonds CPU, 80 MHz
- RAM: 8 M Bytes SDRAM
- ROM: 4 M Bytes Flash ROM (2M for User Programming)
- **Ethernet**
 - Port Type: RJ-45 Connector
 - Speed: 10 /100 M bps (Auto Detecting)
 - Protocol: ARP , IP , ICMP , UDP , TCP , HTTP , DHCP
 - Protocol (Optional): PPPoE
 - Mode: TCP Server / TCP Client / UDP
 - Setup: HTTP Browser Setup (IE & Netscape) , Telnet Console
 - Security: Setup Password
 - Protection: Built-in 1.5KV Magnetic Isolation
- **Serial Port**
 - Port: RS-232 * 1 Port , RS-422/RS-485 * 1 Port
 - Speed: 300 bps~115.2 K bps
 - Parity: None , Odd , Even , Mark , Space
 - Data Bit: 5 , 6 , 7 , 8
 - Stop Bit: 1 , 2
 - RS-232 Pins: Rx , Tx , GND , RTS , CTS , DTR , DSR , DCD
 - RS-422: Rx+ , Rx- , Tx+ , Tx- (Surge Protect)
 - RS-485: Data+ , Data- (Surge Protect)
 - Built-in RS-422/RS-485 Terminal Resistor
 - 15KV ESD for all signals
- Watch Dog Function
- Power: DC 12 V , 1000 mA
- Led Lamp: SYS (PWR) , LAN , LAN Rx , LAN Tx
- Environment : Operating Temperature: 0°C~70°C
- Storage Temperature : -10°C~80°C
- Dimensions : 85 * 75 * 25 mm (W * D * H)
- Weight : 140 gm
- RoHS : Compliant with RoHS
- Regulatory Approvals : EMC : FCC Class A, CE Class A
- WARRANTY : 1 year

X050SE

1 LAN/WAN – 1 Serial RS-232 – 1 RS-422/RS-485