

Debian Terminal Server

The **XetaTS** is a Class 1 Div 2 certified industrial **Terminal Server** that is simple, reliable, and cost effective. The **XetaTS** is suited for applications requiring COM ports, serial tunneling, TCP/UDP sockets, or multiple unicast functionality.

TCP Terminal Sever, TCP Terminal Client, and UDP Terminal modes are supported along with Modbus Bridging and our no cost add-on **Data Concentrator** and **Wire Replacement** software modules.



The **XetaTS** can be used with XetaWave products or any other serial or Ethernet wired or wireless product. Two Ethernet and two serial ports allow simple inline connection and the ability to translate between Ethernet and serial.

Key Features

Industrial Safe C1D2 certified and operational from -40°C to $+85^{\circ}\text{C}$ for hazardous industrial applications.

Interface Rich Supporting 2 Ethernet ports, 2 serial ports, and 1 USB 2.0 port.

Terminal Services TCP server, TCP client, and UDP server services for connecting to serial devices over Ethernet.

Modbus Bridge Translate between Modbus RTU and Modbus TCP.

Data Concentrator Converge data from many Modbus services into a unified Modbus map or publish using MQTT.

Wire Replacement Replicate input and output signals across an Ethernet, serial or external wireless links.

XetaTS Debian Specifications

Processing

CPU	300 MHz ARM Cortex-A8
OS	Debian
RAM / Flash	256 MB / 4 GB

Power

Connector	2-pin Phoenix
Voltage	+10 to +32 Vdc
Consumption	150 mA @ +12 Vdc

Interfaces

Ethernet	2 x RJ45 / 10/100 Mbps Base-T
Serial	2 x RJ45 / up to 1Mbps / RS232/422/485
Micro USB	On-the-Go; +5 Vdc @ 500 mA

Environmental/Physical

Op. Temperature	-40°C to +85°C
Humidity	95% @ +40°C non-condensing
Safety	UL Class 1 Div 2
Dimensions (LxWxH)	5.5" x 3.5" x 1.5"
Weight	182 grams

Functionality

Networking	Static IP Routing, Net Filtering, Port Forwarding, Network Address Translation
Protocols	IEEE 802.3, TCP, UDP, ARP, DHCP, NTP, FTP, ICMP, HTTP, HTTPS, SSH, Telnet, Multicast SNMP
Management	Web GUI, SNMP v1, v2, & v3
VLANs	802.1q VLANs and Trunks
Serial Services	TCP/UDP Server, TCP Client, Modbus Bridging
Diagnostics	IP Ping, Traceroute, IPERF, TCP Dump, DNS Lookup, Serial Statistics, Modbus Bridge Statistics
Data Concentrator	No cost add-on to converge data from Modbus services into a unified Modbus map or publish with MQTT
Wire Replacement	No cost add-on to replicate input and output signals across an Ethernet, serial or external wireless link

Ordering

XETATS-22NPDNA	Plastic Enclosed, 2 Ethernet & 2 Serial
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