

# IPM-01H MODBUS TCP/RTU Bridge

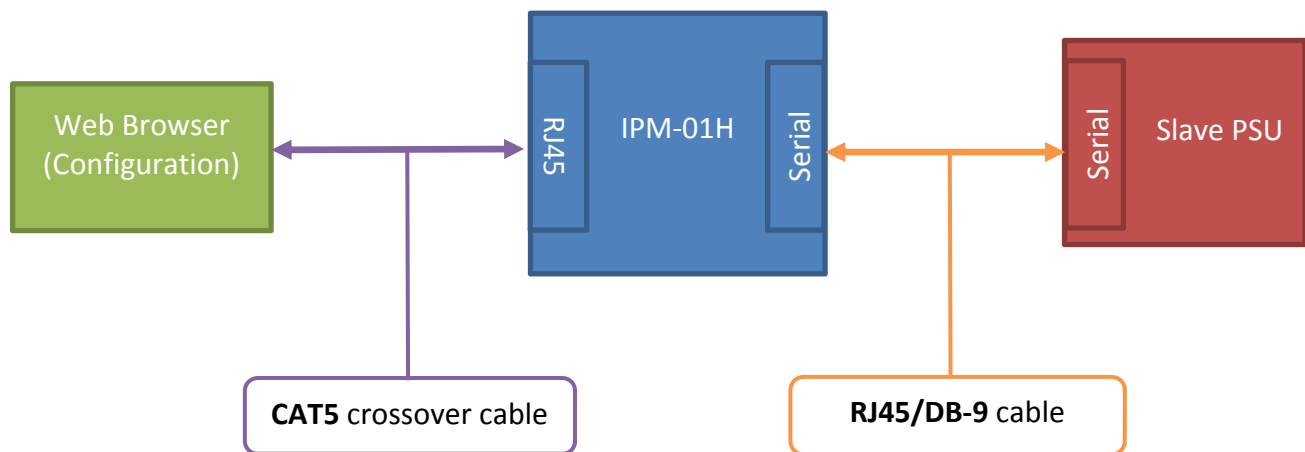


The IPM-01H can give any VxI MODBUS RTU compatible device network visibility, allowing a serially connected device to be controlled or monitored over the internet.

The IPM-01H creates a communication bridge between MODBUS TCP and Modbus RTU devices, appearing transparent to both master and slave devices. The device is configurable via its embedded HTTP web server.

Please read these instructions before operating your module and retain them for future reference.

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## Shipping configuration

### TCP

Default IP Address	169.254.1.2
DHCP	Enabled*
TCP Port	502

### Serial Protocol\*\*

Baud rate	9600
Data bits	8
Parity	Odd
Stop bits	1
Slave address	09

\* When no DHCP Server is available the IP address defaults to 169.254.1.2.

\*\* These are the required settings to connect to any of the current Vxl Modbus RTU enabled products.

DHCP is enabled on the device by default. The Vxl Power TCP/IP discovery tool should be used to find your device's assigned IP address.

Vxl Power TCP/IP Discovery tool: The Vxl power TCP/IP Discovery tool is a desktop program and is available for download at **[www.vxipower.com](http://www.vxipower.com)**.

More information regarding the IPM-01H, the User Guide and the Discovery Tool are available from: **[www.vxipower.com](http://www.vxipower.com)**.

**[http://www.vxipower.com/product\\_pdetail\\_IPM01H\\_404.htm](http://www.vxipower.com/product_pdetail_IPM01H_404.htm)**

## Quick start guide

The IPM01H is shipped with a default IP Address of 169.254.1.2 and should initially be connected directly to your computer with the crossover Ethernet cable supplied.

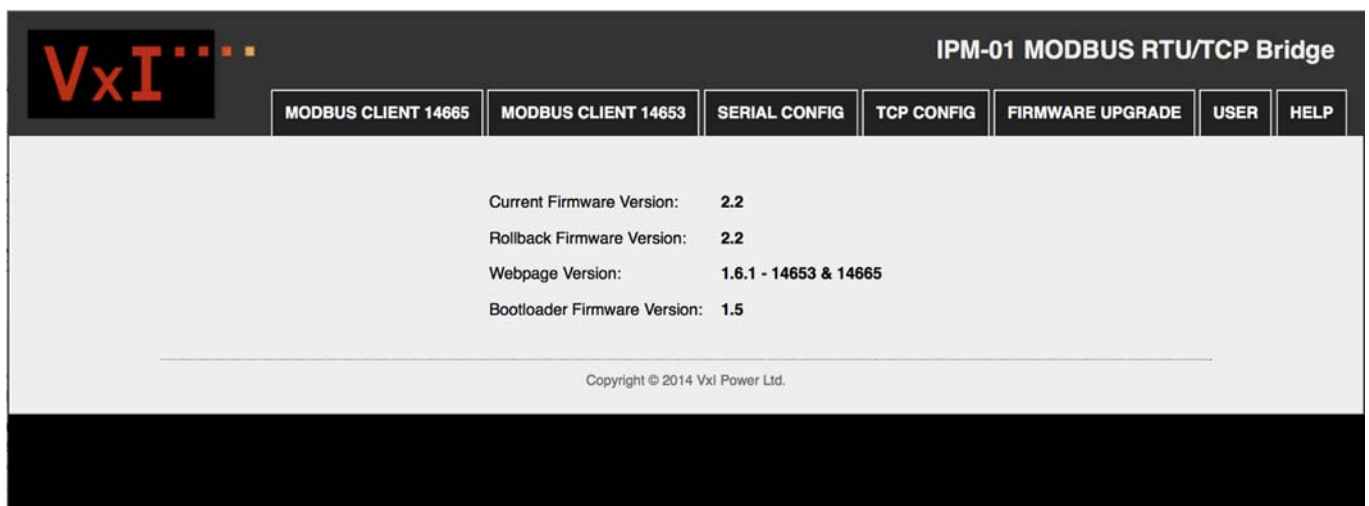
Connect a micro USB power source to the IPM01H, this can either be an available USB port on your computer or to AC adapter supplied.

Using the RJ45 – 9 way Dsub cable supplied, connect the IPM01H to the Oracle product.

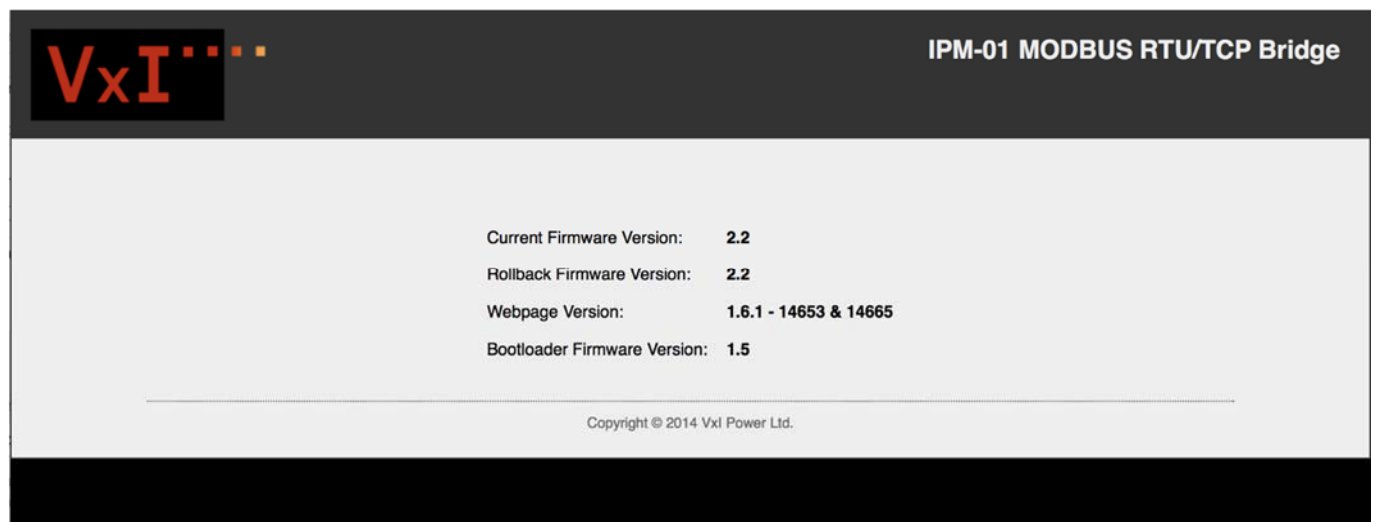
Switch on or reboot your computer ensuring you have no other network connections, (make sure your wireless connection is turned off).

Open your web browser and type in the IP address for the IPM01H (169.254.1.2)





You should see the following screen:



If the tabs are not visible your browser may be zoomed in too far to allow the tabs to be shown, select a lower zoom level.

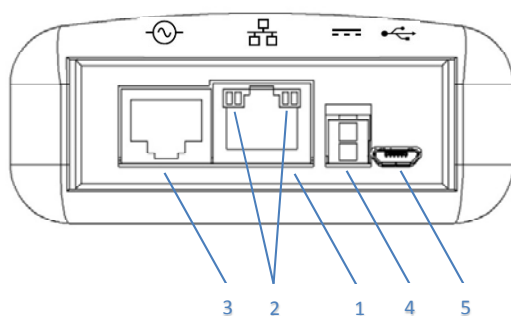


Select the Modbus client tab for your Oracle product.  
Turn on the 'Master Poll' switch to poll your product.

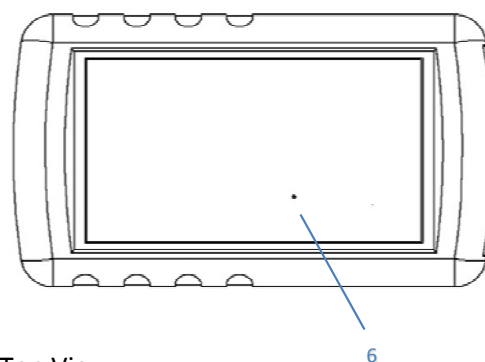
<b>Input Voltage Range:</b>	 5V (USB) or  9-32V DC (Micro-Fit)-
<b>Connections</b>	 Serial RS232 – RJ45 / DE-9 Cable (supplied)  Ethernet RJ45 socket (supplied)
<b>Operating Temperature:</b> <b>Storage Temperature:</b> <b>Storage Humidity:</b>	-20°C - +50°C * -20°C - +85°C 5% - 95%, non-condensing * -40°C version available on request
<b>Storage Humidity:</b>	5% - 95%, non-condensing
<b>Power Requirement (typical Active):</b>	720mW
<b>Serial Port Details:</b>	<b>Parity:</b> 8O-1, 8E-1, 8N-2 <b>Supported Baud Rates:</b> 9600, 19200, 38400, 57600
<b>Ethernet Details</b>	RJ45, 10Base-T, 802.3 compliant
<b>Maximum Read/write request size:</b>	Supports Reads/Writes of up to 150 registers

#### Accessories

USB Power supply  
USB Cable  
Network crossover Cable  
DB-9 Serial Cable  
Installation Instruction Sheet



Front View



Top View

1. RJ45 Socket (Ethernet)
2. Ethernet LEDs
3. RJ45 Socket (Serial RS232)
4. Input Power (Micro-Fit: +VIN, 0V)
5. Input Power (USB)
6. Reset Button