

WACI NUGGET SERIAL - Quick Start Guide

Rev 20110211



The WACI Nugget Serial is a fully functional stand-alone IP-to-serial remote access controller with internal web server. In addition, it functions as a remote expansion port for the WACI series of IP-based control systems. Featuring a RS-232/422/485 port, a POE capable LAN port, and a MicroSD card slot, the WACI Nugget Serial is the ideal solution for providing LAN based control for serial devices.



PACKAGE CONTENTS

- WACI Nugget Serial
- 12V / 14.4W DC power supply

To restore unit to default settings:

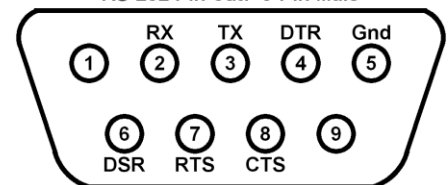
- Power-up Nugget
- Press-n-hold reset button for >= 5 seconds.
- IP Address now static at 192.168.1.10 / 255.255.255.0

WEB INTERFACE

To Connect to WACI NUGGET Web Page:

1. Apply Power
2. Connect LAN
3. Open Web Browser
4. Enter IP address of NUGGET in address bar (default = 192.168.1.10)
5. Login as follows:
 - *User* - admin
 - *Password* – admin

WACI NX / POD / Nugget:
RS-232 Pin-out: 9-Pin Male



BEFORE YOU START:

- MicroSD card (not included) required for webpage storage and FTP functions (Boot up with card installed)
- You must use Filezilla or similar client to load files (YIPI does not currently support this for Nuggets)
- Web pages are accessed using required reference to html file: <http://<IP>/<Folder>/index.html>

WACI NUGGET WEB INTERFACE MENU:

General Settings: System Info and set Password
Network Settings: Set IP Static / DHCP / Host Name
Port Settings: Set Baud Rate and RPC Method

SPECIFICATIONS

General	
Processor	32 bit ARM Processor
LAN	10/100 Ethernet with Auto-MDX
Power over Ethernet	Yes
External Power	12v DC aux supply capable
Storage	MicroSD up to 4GB expansion for web pages to be served up and firmware upgrades
Status	Status LED
Setup	Built-in setup web pages
Control Ports	(1) RS-232 / 422 / 485 port with baud rates up to 115KB
Dimensions (WxDxH)	3.37 x 2.81 x 1 inches

CONNECTIONS


RJ45 – Network Connection

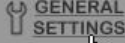
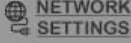

- Power over Ethernet capable
- 48VDC (37-57V range)


9-pin D-sub – RS-232:



Port	RS-232	RS-422/485
1	NC	RX+
2	RX	
3	TX	
4	DTR	TX-
5	GND	GND
6	DSR	
7	RTS	TX+
8	CTS	
9	NC	RX-





WACI Nugget Current Settings

Status: Hostname: **NUGGETSERIAL**
 Serial Number: **09041189**
 Firmware Revision: **01.11**


IP Address: **192.168.1.101**
 MAC Address: **00-11-02-60-04-a5**

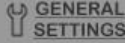
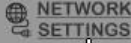
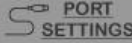
Change Password: Enter new password
 Verify new password


Reset Factory Defaults:

Firmware Update Mode:

Restart WACI Nugget:





WACI Nugget Network Setup

Current Network Settings: Hostname: **NUGGETSERIAL**
 Serial Number: **09041189**
 Firmware Revision: **01.11**

IP Address: **192.168.1.101**
 MAC Address: **00-11-02-60-04-a5**

Network Configuration: DHCP
 ON
 OFF

192	.	168	.	1	.	101	Static IP Address
255	.	255	.	255	.	0	Subnet Mask
192	.	168	.	1	.	1	Gateway

Hostname



WACI Nugget Port Setup

Current Port Settings: Baud Rate: **9600 bits/second**
Data Size: **8 bits/character**
Parity: **None**
Stop Bits: **1 bit(s)**
Flow Control: **None**
Signal Level: **RS232**

Serial Port Settings: 9600 Baud Rate
8 Data Size
None Parity
1 Stop bits
None Flow Control
RS232 Signal Level

Remote Session Method:

- No Remote Session
- Target RPC Variable
- Target RPC Serial Passthrough
- Telnet Client
- Telnet Server

. . . Remote Session IP Address

Target RPC Variable Name

Target RPC Serial Port Number

Telnet Remote Port Number

Telnet Local Port Number

Telnet Timeout Seconds

Telnet Telnet Protocol

Apply Changes

Test Serial Transmit: Enter Serial Data

Serial Send