



Quarra PTP Ethernet Switches



Quarra 10G PTP Ethernet Switch



Quarra 1G PTP Ethernet Switch



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■ CONFIGURING THE QUARRA SWITCH

The Quarra PTP Ethernet Switch is configured using its webserver. The default IP address of the Quarra is 192.168.100.100. To connect to the webserver, you change the IP address using the Command Line Interface via RS232 (see section 1A) **OR** using the webserver via Ethernet (see section 1B). When the Quarra's webserver has a suitable IP address for your network, configure the Quarra as desired (see section 2).

■ 1A. IP CONFIGURATION VIA RS232 AND A TERMINAL EMULATOR PROGRAM.

Connect an RS232 cable (straight not Null Modem) from your PC to the RS232 socket on the unit. Run a terminal emulator program on your PC. The terminal emulator program will allow you to set up the IP addresses of the webserver as desired. Older windows PCs come with a terminal emulator program called HyperTerminal. If your PC does not have HyperTerminal, there are some free terminal emulator programs on the Internet such as TeraTerm and PuTTY.

Configure the terminal emulator port to:

- 115200 baud
- 8 data bits
- no parity
- 1 stop bit
- flow control - none.

Log into the console username "admin" password "".

```
Username: admin
Password:
#
```

Type 'help' or '?' to get help.

To display the IP Configuration, type the following command. Only type the characters in bold.

```
# show run int vlan 1
Building configuration...
interface vlan 1
    ip address 10.0.0.103 255.255.255.0
    ip igmp snooping
    ip igmp snooping querier election
    ip igmp snooping querier address 192.0.0.1
    ip igmp snooping compatibility auto
    ip igmp snooping priority 0
    ip igmp snooping robustness-variable 2
    ip igmp snooping query-max-response-time 100
    ip igmp snooping query-interval 125
    ip igmp snooping last-member-query-interval 10
    ip igmp snooping unsolicited-report-interval 1
    !
end
#
```

To set a fixed IP address and subnet mask, type the following command. Only type the characters in bold.

```
# conf term
(config)# int vlan 1
((config-if-vlan)# ip add 192.168.100.100 255.255.255.0
(config-if-vlan)# exit
(config)# exit
#
```

Go to the GUI Maintenance -> Configuration -> Save Startup-config
click on Save Configuration

■ 1B. IP CONFIGURATION USING YOUR PC OVER ETHERNET

Disconnect your PC from your network. Configure your PC to have a fixed IP address of 192.168.100.10. Connect your PC to the Quarra using an Ethernet cable. Browse to the Quarra's web page on 192.168.100.100. Browse to Configuration → System → IP. Set the configuration as desired for your network. Click on Save. Configure your PC to work on your network and connect the Quarra as required. Browse the new IP address of the Quarra. Username: admin, Password:

The screenshot shows the web interface for the Artel Quarra 1G. The browser address bar shows 192.168.100.100. The page title is 'ARG Quarra 1G'. On the left is a navigation menu with 'Configuration' expanded to 'System' and 'IP' selected. The main content area is titled 'IP Configuration' and contains several sections:

- IP Configuration:** A table with columns for Mode, Host, and DNS Server (0-3). All DNS servers are set to 'No DNS server'. There is a checkbox for 'DNS Proxy'.
- IP Interfaces:** A table with columns for Delete, VLAN, DHCPv4 (Enable, Fallback, Current Lease), IPv4 (Address, Mask Length), DHCPv6 (Enable, Rapid Commit, Current Lease), and IPv6 (Address, Mask Length). One interface is listed with VLAN 1, DHCPv4 enabled, IPv4 address 192.168.100.100, and mask length 24.
- IP Routes:** A table with columns for Delete, Network, Mask Length, Gateway, and Next Hop VLAN. There are 'Add Route', 'Save', and 'Reset' buttons.

Go to the Maintenance -> Configuration -> Save Startup-config
Click on Save Configuration

■ 2. FURTHER CONFIGURATION USING YOUR PC OVER YOUR NETWORK

Browse to the new IP address of the Quarra.
Configure the Quarra as desired.
Get help by clicking on the ?.

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