

### Interface specification

Protocol: 10BASE-T/100BASE-T  
Speed: 10Mbit/s and 100Mbit/s auto detection  
Connection: Auto-MDX

LED: GREEN OFF for 10Mbit/s, ON for 100Mbit/s  
ORANGE ON for good link, BLINK for activity

Full duplex

### Protocols

#### TCP/IP

IPV4 Compatible

IP address sets manually or dynamically via a DHCP server.

Printing using TCP port 9100 in raw mode.

Name authentication using NBNS (NetBiosNameServer). Hostname is automatically sets to EVO\_NNN\_XXXXXXX, where EVO is for Evolis, NNN depends of the printer model (SE1 for Securion, PB4 for Pebble 4, DU3 for Dualys 3) then XXXXXXX is the production counter from printer s/n. EVO\_SE1\_0001234 for s/n Z710001234.

NBNS over TCP (WINS) name registration, to let the WINS server know about the printer (not done if the server is not set).

In case static IP (no DHCP), then the gateway, the subnet mask and the wins server can be set manually (using web server or escape command), but when using DHCP all those parameters are sent by the DHCP server.

#### MAC address

Automatically generated from printer serial number with the Evolis's OUI: 00-1A-FD then last 3 Bytes will be coded from serial number which correspond to printer production counter.

For example: 00-1A-FD-**00-04-D2** as MAC address for printer s/n P710**01234** (actual s/n) or for s/n P0710**0001234** (new serial number). 1234 in decimal gives 0x04D2 in hexadecimal.

**Escape Commands**

- Read IP address

**Rip;opt1**

Opt1 → Optional, if set return the dhcp status (manual if the IP has been set manually or auto if dhcp activated)

Return the IP address.

- Set IP address

**Pip;par1**

Par1 → IP address to be set, must be 4 digit separated by dot character '.' Or it can be the string "dhcp" to enable DHCP service.

When the IP address entered is set to 0.0.0.0 it reset the interface to its original state.

- Set MAC address

**Pmac;par1**

Par1 → MAC address to be set, must be 6 numbers separated by dash character '-'.  
'-'

The MAC address can be set manually, but its initial value is made from Psn command.

- Read MAC address

**Rmac;Opt1**

Opt1 → Optionnal, if set digit separator character ('-') is not shown (used for LCD menu).

Return the MAC address.

- Set Ethernet Hostname

**Pehn;Par1**

Par1 → Ethernet hostname to be set (16 characters max).

The Ethernet hostname is set by Psn command.

- Read Ethernet Hostname

**Rehn**

Return the Ethernet hostname currently set.

- Set Ethernet subnet mask  
**Penm;Par1**

Par1 → Ethernet subnet mask to be set, 4 numbers separated by dot character '.'.  
When using DHCP, this subnet mask is given by DHCP server. This is useful only when IP address is set manually.

- Read Ethernet subnet mask  
**Renm**

Return the Ethernet subnet mask.

- Set Ethernet Gateway  
**Pegw;Par1**

Par1 → Gateway IP address to be set, 4 numbers separated by dot character '.'.  
When using DHCP, the gateway is given by DHCP server. This is useful only when IP address is set manually.

- Read Ethernet Gateway  
**Regw**

Return the Ethernet gateway IP address.

- Set Ethernet WINS server  
**Pews;Par1**

Par1 → WINS server IP address to be set, 4 numbers separated by dot character '.'.  
When using DHCP, the WINS server is given by DHCP server. This is useful only when IP address is set manually. This is used to register the printer hostname, so in case of sub-network the printer is found faster.

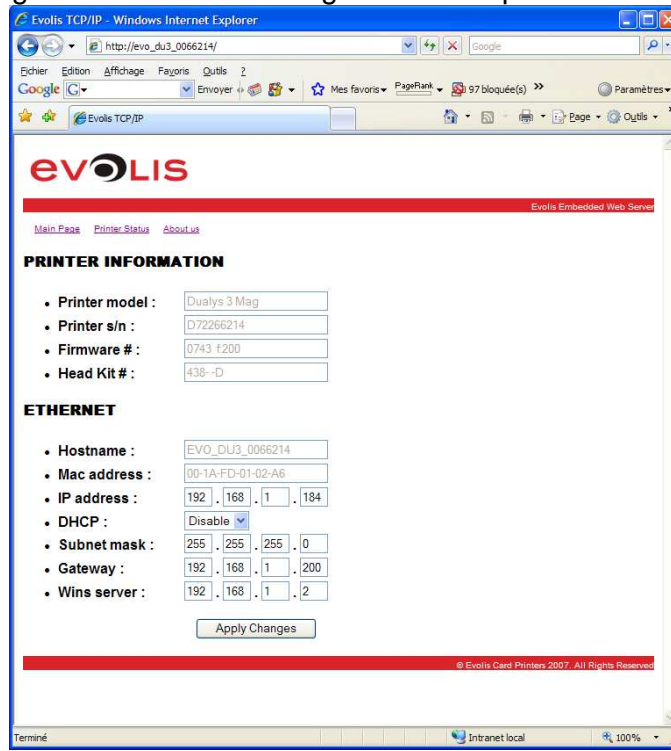
- Read Ethernet WINS server  
**Rews**

Return the WINS server IP address.

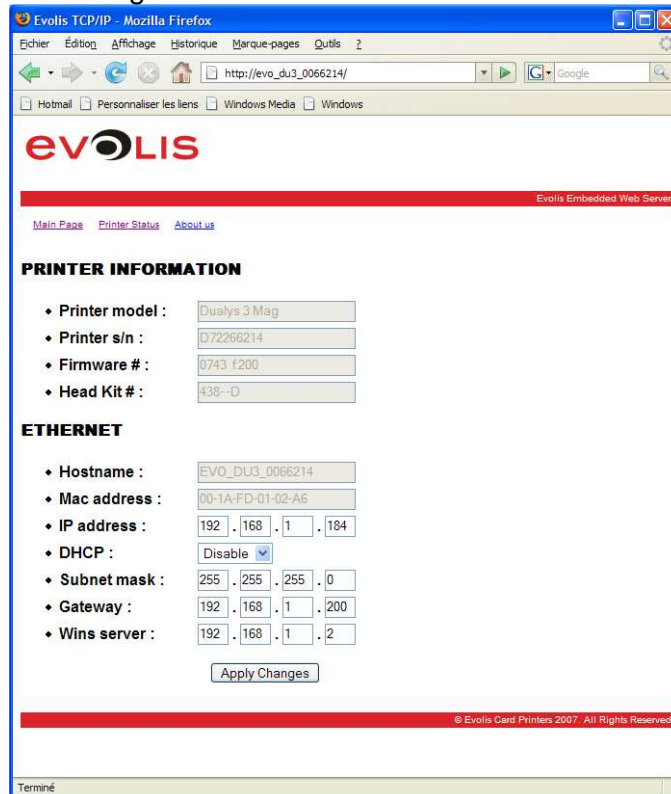
### Embedded Web Server

http 1.0 compatible

The Home page is shown below using “Internet Explorer”:



Home page when using “Firefox”:

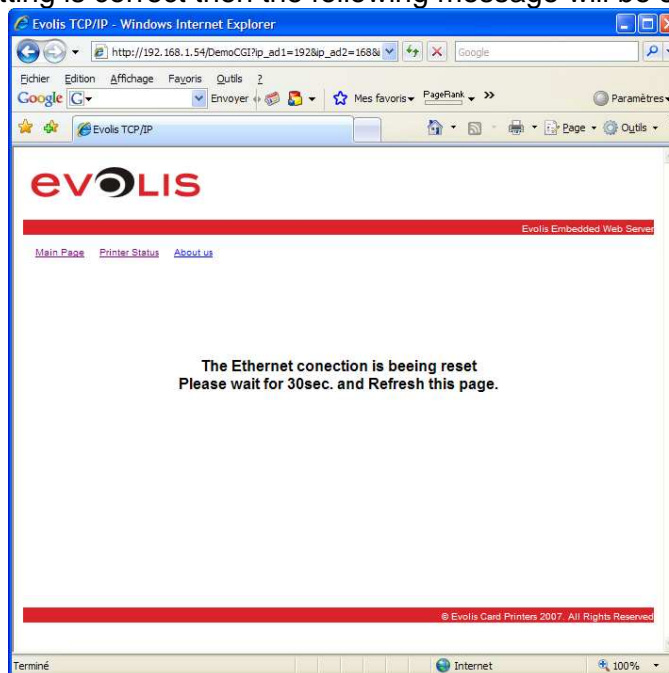


Once DHCP is disabled, the IP address, the sub network mask, the gateway and the wins server can be set manually by entering the values. Select “Apply Changes” to set the new parameters.

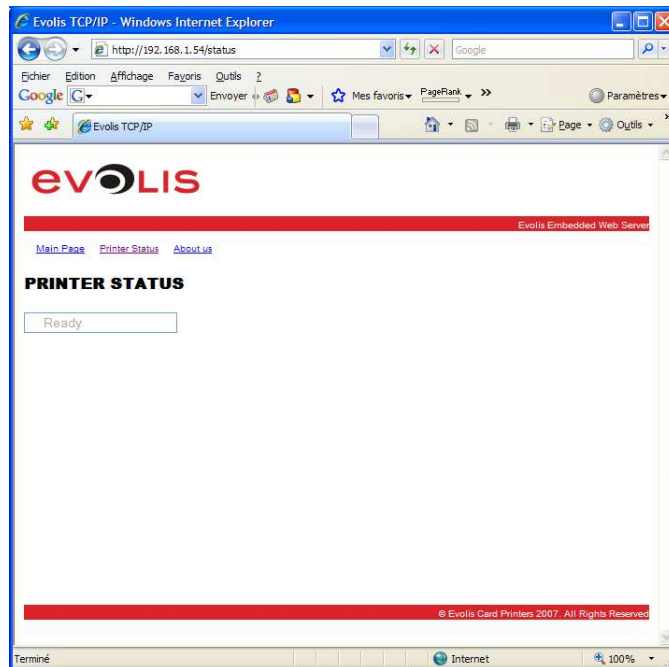
If one of the parameter is not correct, then the following page will appear:



If the new setting is correct then the following message will be shown:



The second page is Printer Status as shown below:



The printer status is the same as the first line of the LCD display (i.e. Securion).