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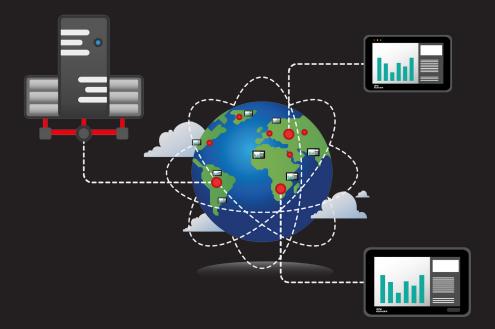
Everyware

What's Everyware?

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What's Everyware



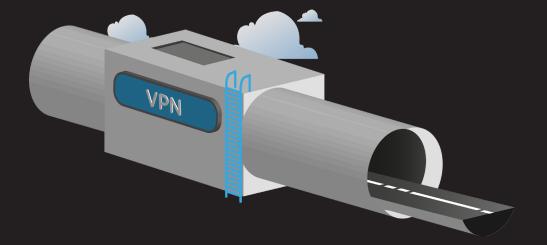
Everyware is a software that allows you to control, interact or modify the applications in execution on different installed devices.

Thanks to the Everyware maintenance platform, you can safely eliminate any distance between you and your applications.

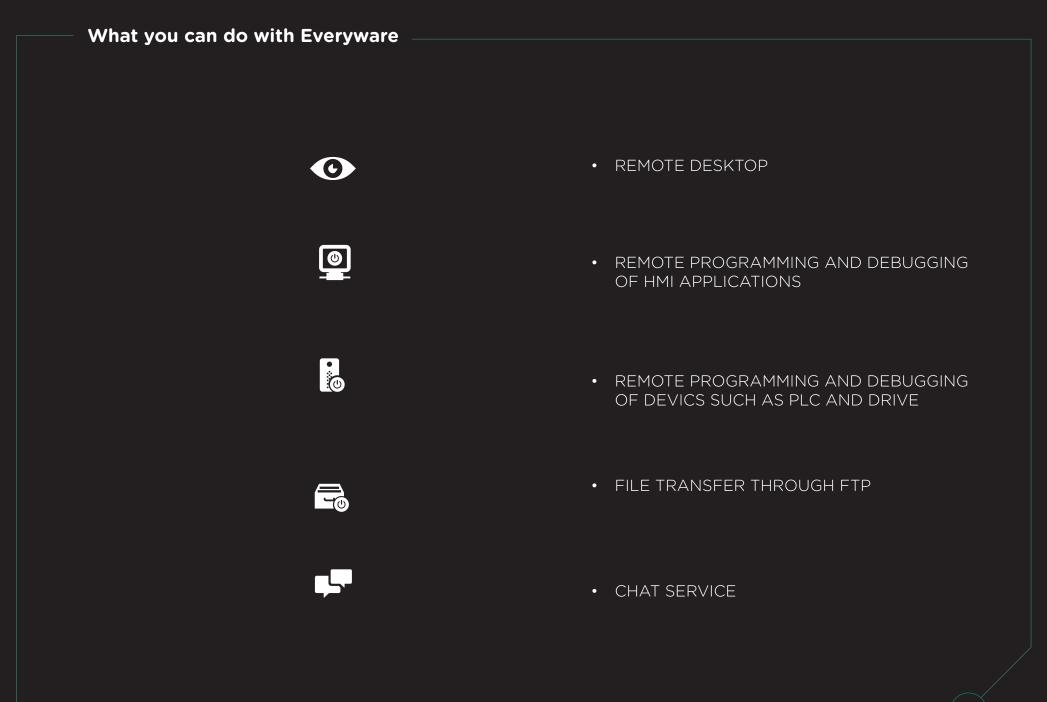
Everyware drastically cuts down both time maintenance and travel expenses.

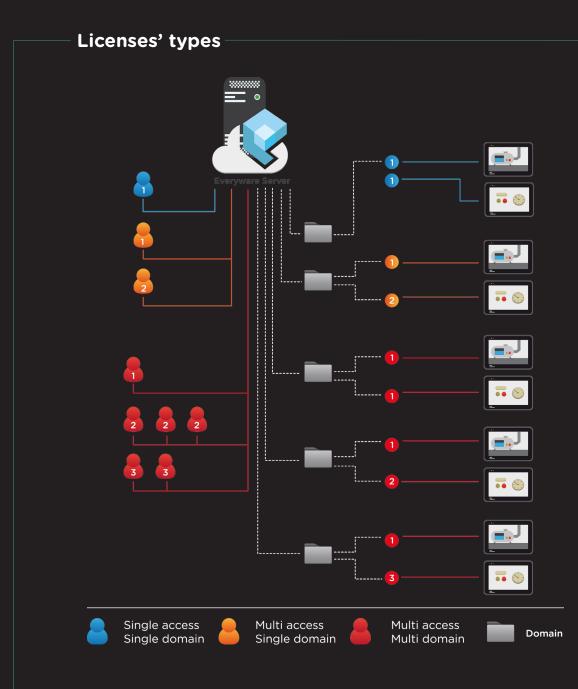
Everyware uses a normal internet connection, transparent to Firewall and Proxy.

Main features of Everyware



Everyware the fastest assistance ever: Everyware uses a safe and crypted connection. Connection is automatically managed by the geolocalization system to grant the maximum data traffic speed available and its reliability is granted by a redundant server system that ensures the continuity of the service.





Everyware works easily. Just create your domain and add your devices.

- Single domain / Single access:
 One user per time can connect to the domain, where he can see and manage one application at a time.
- Multi access / Single domain: More users have access to the domain, and they can work simultaneously.
- Multi access Multi Domain: Full freedom to organize your application as you wish. User can create different domains and more users at the same time can access the domains and work simultaneously.

1. Creation of the domain

START					Ever	ryware	e [10.3.0.:	.10]				-	× ^
 Create 🕅	Options	E Log	About										
Sign on			()	Login —									_
				Domain									
				User Password									
												Sig	

Once installed Everyware, the first thing to do is the creation of the domain.

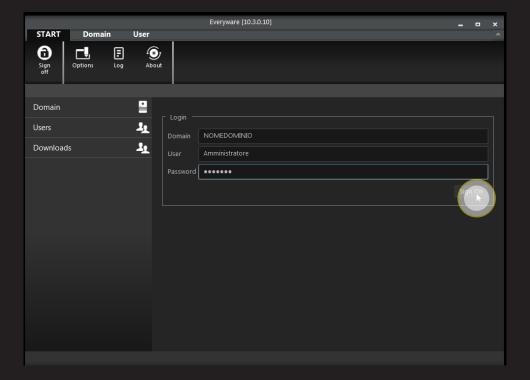
The domain is created only by the Administrator who can add / remove panels, create / delete / edit users.

Enter domain name, license number and password, then click on "Create new domain".

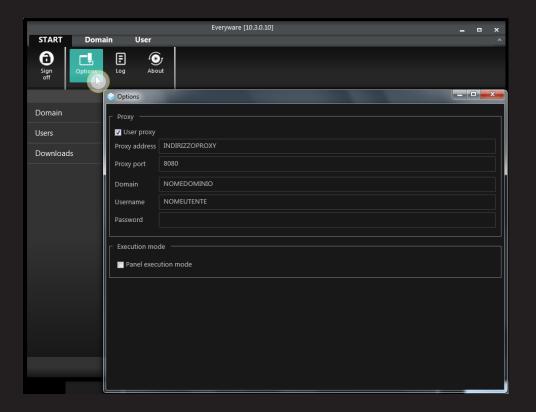
📀 Create domain	
Name	NOMEDOMINIO
License code	123456789
Password	•••••
Verify password	•••••
	Create new domain

IMPORTANT: Once created the domain, you can change the password but not the name. This password is the same used to connect to your domain.

1.1. Login



1.2. Proxy Settings



Select the Proxy setting options then enter : Proxy address, proxy port number, domain name, company network domain name, company username and company user password.

NOTE: The "Panel execution Mode" check box enables, on any PC, the "client mode" function of Everyware.

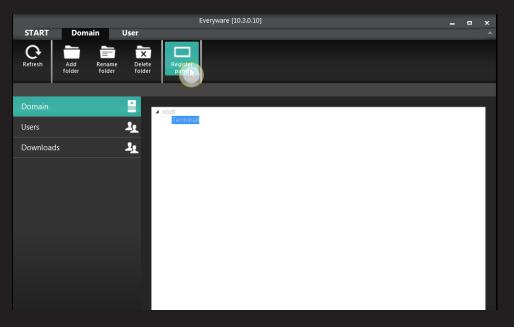
1.2. Proxy Settings

UltraVNC Server Property Page							
Incoming Connections Incoming Connections Image: Accept Socket Connections Display Number or Ports to use: Display N°	When Last Client Disconnects Do Nothing Lock Workstation (W2K) Logoff Workstation	Query on incoming connection Display Query Window Timeout: 10 seconds Default action: Refuse Accept					
 Ports Main: 5900 Auto Http: 5800 Enable JavaViewer (Http Connect) Allow Loopback Connections LoopbackOnly 	Keyboard & Mouse Disable Viewers inputs Disable Local inputs Alternate keyboard method	Multi viewer connections Disconnect all existing connections Keep existing connections Refuse the new connection Refuse all new connection					
Authentication VNC Password: View-Only Password: Require MS Logon (User/Pass./Dom New MS Logon (supports multiple Configure MS Logon Gr	ain)	move Aero (Vista) move Wallpaper for Viewers able Blank Monitor on Viewer Request Disable Only Inputs on Blanking Request Enable Alpha-Blending Monitor Blanking upture Alpha-Blending sableTrayIcon					
File Transfer The Enable DSM Plugin		rbid the user to close down WinVNC fault Server Screen Scale: 1 / 1					
Use : No Plugin detected OK Apply	Config. □ LoCancel	g debug infos to the WinVNC.log file C:\Program Files\uvnc bvba\UltraVNC					

IMPORTANT : If Everyware is installed on a PC, it is required to install a software called VNC Server (free download on internet). ESA Automation suggests "UltraVNC SERVER".

NOTE: In VNC SERVER software user will have to enter a password that is the same password used in the "REMOTE DESKTOP" functionality.

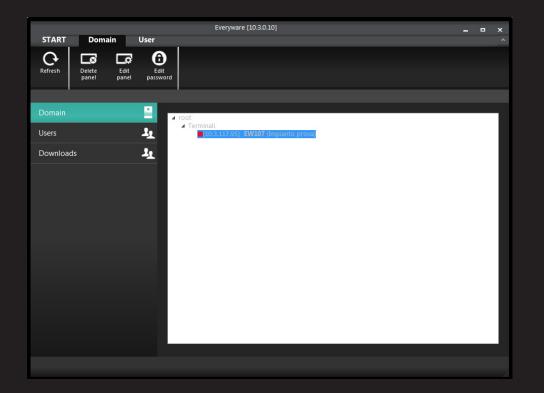
1.3. Adding a device



Click on the proper icon to add one or more devices in your own domain.

	or computer properties
10.3.117.95 -	EW107
Description	Impianto prova
_	⊙ HMI O PC
	Control
	Cancel

1.3. Adding a device



NOTE: As we can see in the picture, the red square symbol shows that the connection is not established yet. Once the connection is established, it will turn on green.

1.4. Adding a user



Click on the icon to add a new user to the domain.

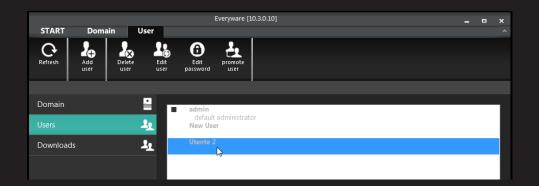
🔶 Add user			×
Name	Utente 2		
Password	1234		
Description			
l	Is administrator		
		Cancel	Ok 📐

Enter Name, Password and a description (optional) of the new user.

Checking the "Is administrator" check box, the new user is upgraded and he gets the Administration privileges.

NOTE: Only if logged as administrator, you can add users to the domain.

1.5. User Management



Using the proper icons, you can:

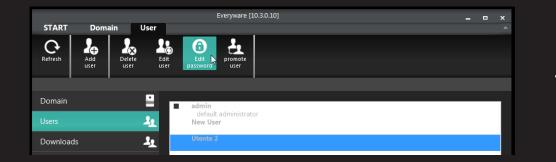
	Everyware [10.3.0.10]	-	×
START Domain User			
Refresh Add User Delete Control Law Edit	Edit promote user		
Domain 🔛	admin		-
Users 🤱	default administrator New User		
Downloads 🤱	Utente 2		

• delete user

1.5. User Management



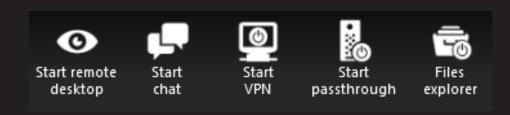
• Edit user (name, description and chance to upgrade user to administrator)



• Edit user password

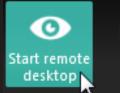
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2. Everyware Functionalities



When successfully connected, the following icons will appear on the main bar.

2.1. Remote Desktop





Start passthrough



Click the proper icon to start Remote Desktop.

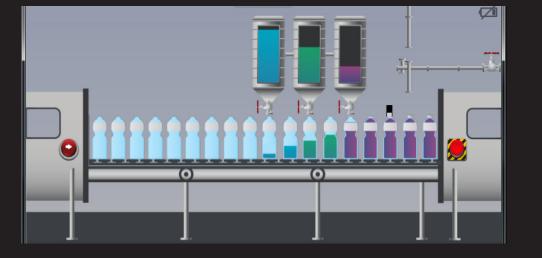
VNC pass	sword	×
10.3.117.95		
10.5.117.55		Blank remote screen
Password	••••	
		OK Cancel

٨

Start

VPN

A window will appear; enter the required password to start the Remote Desktop (same password entered in 3.1 "ID Settings" -Remote Access Password-) device side, then click OK to confirm.



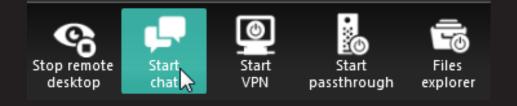
User will see the desktop of the remote device.

2.1. Remote Desktop



"Blank remote screen" check box, if checked, will show on the device an image that does not allow the local operator to see the operations the remote operator is doing.

2.2. Chat Service





Connected with EW107 [Impianto prova]

connected with 10.3.117.95

You will see a page showing the right connection with the device.

MESSAGGIO DI TESTO PROVA....

2

2.2. Chat Service

Connected with EW107 [Impianto prova]

connected with 10.3.117.95

In this page you can enter text messages that will be shown on the device.

MESSAGGIO DI TESTO PROVA....

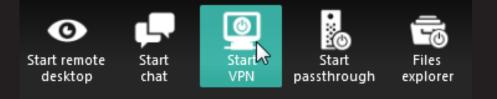


Clicking on "Enter" key, the message will be shown on the remote device with which you are working.

From remote device you can reply entering an answer and clicking on "Enter" key.



2.3. VPN



Click the icon to start a VPN connection.

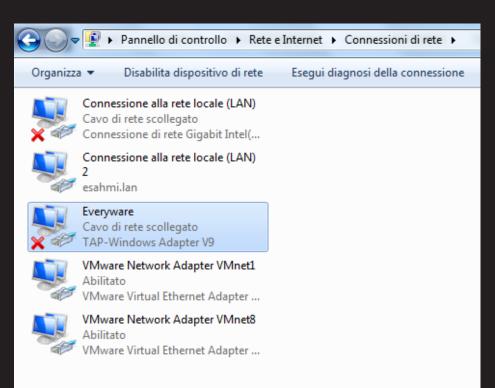
VPN parameters	
10.3.117.95	
Panel ethernet port	ETH 2 -
Local address	192.168.100.10
Remote address	192.168.100.5
	OK Cancel

A window will appear and you will have to enter the following data:

- Local Address : IP address of the Everyware virtual port
- Remote Address : IP address of the device

2))

2.3. VPN



NOTE: The Everyware virtual port is automatically created during the installation of the application on PC.

2.3. VPN

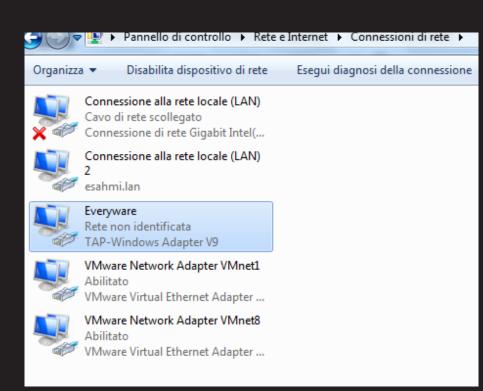
te Condivisione	
onnetti tramite:	
TAP-Windows /	Adaptor 1/9
TAP-WINDOWS /	
	Configura
a connessione utilizza	a gli elementi seguenti:
Protocollo Int	ternet versione 6 (TCP/IPv6)
	ternet versione 4 (TCP/IPv4)
	the second s
Driver di I/O	del mapping di individuazione topologia liv
Driver di I/O	the second s
Driver di I/O	del mapping di individuazione topologia liv individuazione topologia livelli di collegame
Driver di I/O A Risponditore	del mapping di individuazione topologia liv individuazione topologia livelli di collegame III F
Driver di I/O	del mapping di individuazione topologia liv <u>individuazione topologia livelli di collegame</u> III Disinstalla Proprietà predefinito per le WAN che permette la
Driver di I/O	del mapping di individuazione topologia liv individuazione topologia livelli di collegame III Proprietà
Driver di I/O	del mapping di individuazione topologia liv <u>individuazione topologia livelli di collegame</u> III Disinstalla Proprietà predefinito per le WAN che permette la
Driver di I/O	del mapping di individuazione topologia liv <u>individuazione topologia livelli di collegame</u> III Disinstalla Proprietà predefinito per le WAN che permette la
Driver di I/O	del mapping di individuazione topologia liv <u>individuazione topologia livelli di collegame</u> III Disinstalla Proprietà predefinito per le WAN che permette la
Driver di I/O	del mapping di individuazione topologia liv <u>individuazione topologia livelli di collegame</u> III Disinstalla Proprietà predefinito per le WAN che permette la
Driver di I/O	del mapping di individuazione topologia liv <u>individuazione topologia livelli di collegame</u> III Disinstalla Proprietà predefinito per le WAN che permette la

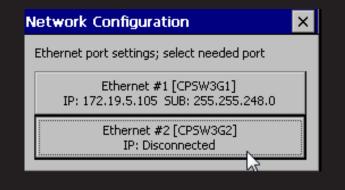
〔2〕)

2.3. VPN

Proprietà - Protocollo Internet version	e 4 (TCP/IPv4)
Generale	
È possibile ottenere l'assegnazione au rete supporta tale caratteristica. In ca richiedere all'amministratore di rete le	aso contrario, sarà necessario
Ottieni automaticamente un indir	izzo IP
💿 Utilizza il seguente indirizzo IP: -	
Indirizzo IP:	192 . 168 . 100 . 10
Subnet mask:	255.255.0.0
Gateway predefinito:	· · ·
🔵 Ottieni indirizzo server DNS auto	maticamente
Otilizza i seguenti indirizzi server	DNS:
Server DNS preferito:	• •
Server DNS alternativo:	• • •
🔲 Convalida impostazioni all'uscita	Avanzate
	OK Annulla

2.3. VPN





Steps to set IP address of Everyware virtual port on the device.

(2))

2.3. VPN

¢	'CPSW3G miniport driver' Setti	ngs							OK	×	٢				
HMI Info	IP Address Name Servers							_	Netwo	rk	Bac	kup	Re		
6	An IP address can be automatically assigned to this) Op	tair	n an IP	^o addri	ess via	DHCF)							
	computer. If your network	🖲 Sp	ecif	iy an I	P addr	ess									
FTP	IP addresses, ask your network	P <u>A</u> do	dres	is:		192.1	68.10)0.5							
	administrator for an address, and then type it in the space	6 <u>u</u> bne	et M	lask:	[255 .2	55 .25	5.0							
		Default <u>G</u> ateway:													
	In	out P	ane	el											
	E	c F1	L F	F2 F	-3 F	4 F5	F6	F7	F8	F9	F10 F	-11 F	12 Ноп	ne End	Prop
			1	2	3	4	5	6	7	8	9	0	-	=	BS
	т	ib C	1	W	е	r	t	у	u	i	ο	р	[]	1
			3	s	d	f	g	h	j	k	Ι	÷	•	rel	:urn
			z	X	с	۷	b	n	m	1	•	1	up		pgup
	c	rl W	in	Alt						ins	del	lt	dn	rt	pgdn

2.4. Passthrough

Start remote Start chat VPN

Everyware Passthrough allows to remotely communicate with a PLC/drive through one of the serial ports on the device.

Click the icon to start Everyware Passthrough.

💡 Passthrough pa	ssword
10.3.117.95	
Local COM port	COM3 🔹
Panel serial port	SP1
Panel timeout	5s 🗸 🗸
Password	••••
	OK Cancel

Then you will be required to:

- Select the COM virtual port to use
- Select the device COM port
- Select the timeout time of the device
- Enter the connection password (same password used in the Remote Desktop)

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Then click OK.

2.4. Passthrough

2

			Passthrough 2014.11.5.3	
Eth. (T/R):	0	0		
SP1 (T/R):	0	0		
TCP mode SP1 Port Check Port PortMode1: 2 ComId1: 1 IntPort ProgramPort EnterFirmwareMode Set ReadTimeout to Creating Serial Port IP Address(1): 172. Creating Socket Thr Creating PrintDataTh Passthrough started	o: 5000 Thread 19.5.105 ead hread	Local Port: 2323		×

The device will set itself in Passthrough starting mode.

2.5. Files Explorer



Start Start chat VPN



-6

Files

explorer

With the "Files Explorer" function, user can share file and/ or folders between remote device and local PC.

Click the appropriate icon to start the "Files Explorer" function.

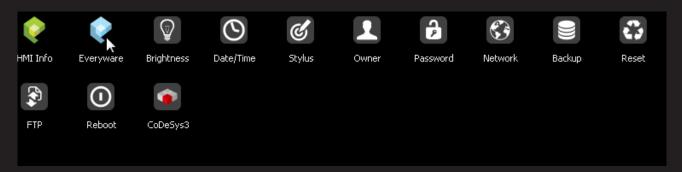
Local computer		EW107 [Impianto prova]	
 ▷ C:\ ▷ D:\ ▷ E:\ ▷ G:\ ▷ G:\ ▷ R:\ ▷ S:\ ▷ T:\ ▷ Y:\ 		 Network Hard Disf eMMC_Card Windows ESA.CFG ESA.INI startup Hard disk ESAPRJ.config ESA - Copy.CFG Log Images FTP Fonts ESA Config Bin out.txt Application Data Control Panel.Ink My Recent Documents My Documents 	E
C:\	01/01/0001 00:00:00 0 byte		01/01/0001 00:00:00 0 byte
Downloads : 0	o byte	Uploads : 0	0 byte

On the left side of the window, you can browse the folders of the local PC and the network (if any) connected to it.

On the right side of the window you can see the folders available on the remote device.

To copy a file in the device, just select it in left side and drag it to the right side.

3. EW Device Side Settings



Connect power supply to the device, connect the network cable to the Ethernet port of the device (ETH1 is the port nearest to the power connector), enter in "Control Panel" and click on "Everyware" icon.

3.1. Everyware Configuration



Everyware Co	nfiguration	×
ID Proxy S	erver	
Enable Eve	ryware service	
LHMI		$\neg \parallel$
IP Address	10.3.117.95	
Password	****	
Remote acces	s	$\frac{1}{2}$
Password	****	
	Apply	Ņ

Click on the "Config" key.

- Make sure that the "Enable Everyware service" check box is selected
- IP address: IP address supplied by Server when you register the device
- Password: the same one used during the registration of the device in the domain
- Password (Remote Access): connection password for remote services.

Click "Apply" to confirm settings.

IMPORTANT : Remember passwords for the future.

3))-

3.1. Everyware Configuration

Everyware Configuration				
ID Proxy	Server			
🔽 Use pro	ху			
Proxy	nomeproxy	Port	8080	
Domain	nomedominio			
User	nomeutente			
Password	****			
			Apply	

Every	ware C	onfiguration	>	<
ID	Proxy	Server		
	🔽 Use d	lefault		
	Address	everyware.esaware.com		
	Port	80		
		J		
			Apply	
				Ľ,

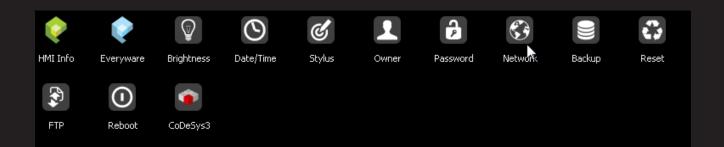
"PROXY" settings :

- If company network uses a proxy, select the "Use Proxy" check box and enter the same data as previously done in 1.2 section.
- Click on "Apply" to confirm settings.

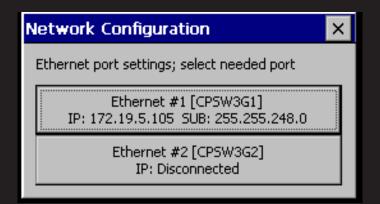
"SERVER" settings :

- Make sure that the "Use default" check box is selected
- Click on "Apply" to confirm settings

3))-

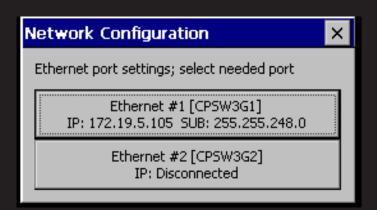


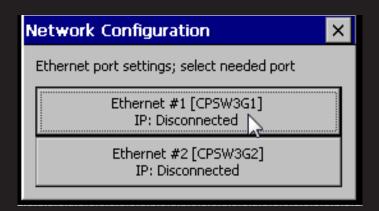
From the device control panel click on "Network" icon.



If settings are correct, this image will appear (Ethernet port 1 correctly connected to the network).

3.2. "Network" Settings





If settings are not correct or Ethernet cable is not connected to the network, this image will appear (Ethernet port 1 not connected to the network).

Click on the used Ethernet port and choose one of the settings shown below.

3

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3.2. "Network" Settings



• Selecting "Obtain an IPC address via DHCP" option, the IP address will be assigned automatically.

'CPSW3G miniport driver' Settings				ок 🗙
IP Address	Name Servers			
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network		Obtain an IP addr		
		IP <u>A</u> ddress:		
	or for an address, ype it in the space	S <u>u</u> bnet Mask:		
provided.		Default <u>G</u> ateway:		

• Selecting "Specify an IP address", user will have to manually enter a valid IP address.

Going back to the control panel of the device and clicking on the Everyware icon, if all settings are correct, the icon will turn green: the device is correctly connected to the network.

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3)

3.2. "Network" Settings



NOTE:

The light blue Everyware icon indicates that the device is "Offline". Clicking on the "On" button, the device will connect to the network (the icon will turn green).

The pink color Everyware icon indicates that the device cannot communicate with the Everyware server.

The causes could be:

- incorrect data setting
- network not present
- faulty Ethernet connection (cable not properly connected)
- other hardware problem

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