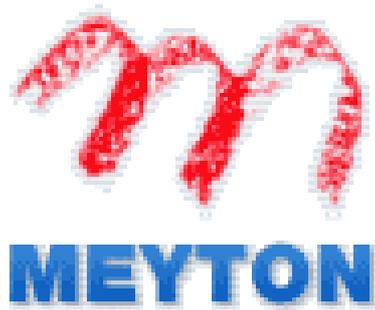


MEYTON CGI Gateway



Author : Teodora – Pamerak Czerny

MEYTON Elektronik GmbH
Spenger Str 38
49328 Melle – Bruchmühlen
Tel.: +49 5226 9824 0
Fax.:+49 5226 9824 20

Index

Introduction.....	3
1. Activation of the CGI program.....	3
2. Network interface.....	4
2.1 Explanation of the fields.....	4
IN Address	4
Netmask	4
HW Address	4
Action	4
Uptime	5
Temperature	5
2.2 Change settings.....	5
2.3 Undo the settings.....	5
3. Status of gateway connections.....	5
3.1 Explanation of the fields.....	5
3.1.1 Line.....	5
3.1.2 In IN address of CPC.....	6
3.1.3 Connection to the frame.....	6
3.1.4 Connection to the CPC.....	6
3.1.5 Statistics.....	6
4. Program settings under Services.....	7
4.1 Routing Table.....	7
4.1.1 RS232c Unit.....	7
4.1.2 IN address of CPC.....	7
4.2 Filelist under Services.....	8
5. Download under Services.....	8

Introduction

In this manual the Gateway - CGI (Common Gateway Interface) is explained. The „CGI“ is an interposition interface for the data exchange between a browser and the Control – PC software.

With this tool all administrative settings for the Control – PC can be conducted. The gateway is the PC in the power supply, to which the measuring is connected. The gateway connects the measuring frame data to the TCP / IP interface.

1. Activation of the CGI program

The „CGI“ can be activated in a browser, e.g. Firefox or Explorer, by entering the IN address of the device.

The following program appears:

The screenshot shows a web browser window with the address bar containing 'http://192.168.178.170/'. The browser's menu bar includes 'Datei', 'Bearbeiten', 'Ansicht', 'Chronik', 'Lesezeichen', 'Extras', and 'Hilfe'. The browser's toolbar shows navigation buttons and a search bar with 'Google'. The browser's status bar shows 'Intelligente Lesezei...', 'openSUSE', 'Getting Started', 'Latest Headlines', and 'Mozilla Firefox'. The main content area is titled 'Admin Program of Meyton's Gateway - 2.1.0a'. On the left, there is a sidebar with the heading 'Services' and a list of links: 1. [Line Status](#), 2. [Routing Table](#), 3. [Filelist](#), 4. [Download](#). The main content area contains two tables. The first table is titled 'Admin Program of Meyton's Gateway - 2.1.0a' and has the following data:

IN Address	Netmask	HW Address	Action	uptime	temperature
192.168.178.170	255.255.0.0	00:E0:4B:1F:F3:63	no action	0:00:17 (busy 48.5%)	board: 43°C cpu: 54°C

Below the table are 'enter' and 'clear' buttons. The second table is titled 'Status of gateway connections' and has the following data:

Line	IN address of CPC	Connection to the frame	Connection to the CPC	Total of transfer errors	Received bytes	Transmitted bytes
COM1	192.168.178.2	broken	offline	0	0	1
COM2	192.168.178.3	broken	offline	0	0	1

The browser's status bar at the bottom shows 'Fertig'.

This view is divided into three blocks: Services, Admin and Settings.

At first the block „Admin Program for Meyton's Gateway – 2.1.0a“ is explained.

2. Network interface

Admin Program of Meyton's Gateway - 2.1.0a

IN Address			Netmask	HW Address	Action	uptime	temperature
192.168.	178.	170	255.255.0.0	00:E0:4B:1F:F3:63	no action	0:00:17 (busy 48.5%)	board: 43°C cpu: 54°C

In this field the network interface can be adjusted.

2.1 Explanation of the fields

- **IN Address**

IN Address		
192.168.	178.	170

Setting of the IN address.

In the front area a number between 172.16. and 192.168. can be chosen.

The subnet (third figure of the IN address) can be adjusted freely between 1 und 255.

The last IN interface should be between 161 und 180.

- **Netmask**

Netmask
255.255.0.0

Concerning the netmask, the B or C net can be chosen.

- **HW Address**

HW Address
00:E0:4B:1F:F3:63

It is about a fixed entry which is preset by the hardware.

- **Action**

Action
no action

Apart from „no action“, „reboot the System“ can be adjusted here, too.

■ **Uptime**

uptime
0:42:30 (busy 1.2%)

This window shows the operation time of the system.

■ **Temperature**

temperature
board: 50°C cpu: 60°C

This field shows the temperature of the system (is only diplayed in case of LX modules).

2.2 Change settings

In order that an adjustment is adopted by the system, „reboot the System“ must be chosen in the window „Action“ and afterwards the button „enter“ must be pressed.

2.3 Undo the settings

By pressing the „clear“ button all settings are cancelled.

3. Status of gateway connections

Here the status to the connections of the measuring frames is displayed. In this example a gateway with two interfaces is shown. But there may be up to ten interfaces.

Status of gateway connections

Line	IN address of CPC	Connection to the frame	Connection to the CPC	Total of transfer errors	Received bytes	Transmitted bytes
COM1	192.168.178.2	broken	offline	0	0	1
COM2	192.168.178.3	broken	offline	0	0	1

3.1 Explanation of the fields

3.1.1 Line

This field shows the respective COM interface at the gateway.

3.1.2 In IN address of CPC

Through the IN address of the Control – PC it is shown which one has been allocated to the COM interface.

3.1.3 Connection to the frame

The status of the connection from the gateway to the measuring frame is displayed. In this example the status „broken“ is shown, which indicates that the connection does not exist or that it is incorrect.

3.1.4 Connection to the CPC

The status of the connection from the gateway to the measuring frame is displayed. In this example the status „offline“ is shown, which indicates that the connection does not exist or that it is incorrect.

3.1.5 Statistics

Furthermore, three statistics are displayed.

- Total of transfer errors
0 should be displayed.
- Received bytes.
- Transmitted bytes.

4. Program settings under Services

Under „Services“ you can effect further settings or perceive information.

4.1 Routing Table

Routing Table

RS232c Unit		COM1&2
Line	IN address of CPC	
COM1	192.168.178.	2
COM2	192.168.178.	3

enter clear

The correlation from the Control - PC to the COM – interface can be changed.

4.1.1 RS232c Unit

The Mux for the COM – interface can be chosen.

4.1.2 IN address of CPC

The last IN number can be changed to assign another Control – PC to a COM – interface.

4.2 Filelist under Services

When choosing „Filelist“, a list of the download data is displayed which the Control - PC has loaded at the moment.

Filelist of last Download

Download from Server: 192.168.178.200 - Date: 26. Jul 2008 10:15:40					
No	source	version	destination	size [byte]	date
1	/tftpboot/Mc4BootDev/gw/mf4gwcgi.cgi	2.1.0a	/flash/mf4gwcgi.cgi	51452	25. Jul 2008 9:49:00
2	/tftpboot/Mc4BootDev/gw/start2.sh	1.2.3	/flash/meyton/start2.sh	5890	13. Mai 2008 20:20:44
3	/tftpboot/Mc4BootDev/gw-lx/syslinux.cfg	2.4.31b	/flash/syslinux.cfg	137	10. Mar 2008 15:45:24
4	/tftpboot/Mc4BootDev/gw-lx/gw_lx.tgz	2.4.31c	/flash/gw_lx.tgz	2377471	8. Jul 2008 14:25:40
5	/tftpboot/Mc4BootDev/gw-lx/vmlinuz	2.4.31c	/flash/linux	772056	8. Jul 2008 14:25:56
6	/tftpboot/Mc4BootDev/emb-stable/mc5timed	1.1.1a	/flash/mc5timed	18620	8. Jul 2008 12:58:28
7	/tftpboot/Mc4BootDev/emb-stable/mf4gwlx	4.1.1	/flash/mf4gwlx	60204	8. Jul 2008 12:58:48
8	/tftpboot/Mc4BootDev/emb-stable/start1.sh	2.0.2	/flash/meyton/start1.sh	2200	26. Jul 2008 10:15:32
9	/tftpboot/Mc4BootDev/emb-stable/mc5sbc.sh	2.0.0	/flash/meyton/mc5sbc.sh	1454	10. Dec 2006 11:03:32
10	/tftpboot/Mc4BootDev/emb-stable/mc5sbc	3.1.0	/flash/mc5sbc	43376	8. Jul 2008 12:58:24

5. Download under Services

Download

Parameter	Value
IP address of tftp server	192.168. 178. 200.

Here the server can be chosen from which new data shall be downloaded.