

Manual

Fortec Integrated

WebPoster-M4

Industrial UHD Website displayer based on Raspberry CM4

PA-45-XXX



V1.4 16.07.2025







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1 Revision History

Date	Rev. No.	Description	Author	Page
07.10.2024	1.0	Initial version	Chayma Hajjem	All
15.10.2024	1.1	Release version	Chayma Hajjem	All
25.10.2024	1.2	Update cover template	Chayma Hajjem	All
20.02.2025	1.3	Add notes regarding touchscreen orientation	Chayma Hajjem	17
16.07.2025	1.4	Update Fortec template Update Fortec Monitor Update pictures	Chayma Hajjem	All



2 Introduction

WebPoster-M4 is a turn-key product to show a specific web page in full-screen mode on the display.

It can be used, e.g. for industrial applications to show production instructions or statistics in factories or digital signage applications to show ads.

WebPoster-M4 supports the following Fortec monitor series:

- BLO-Line
- POS-Line
- Standard monitor

Note:

Before purchasing WebPoster-M4 it is strongly recommended to test if the web page is displayed on the screen as expected.

3 Features

This section gives an overview of the main features of WebPoster-M4:

- Auto start at power-on
- Show a preconfigured web page in full-screen mode on the display (URL not shown)
- Browser features:
 - o HTML5
 - JavaScript
 - o Configurable auto-reload interval for the web page
 - o Configurable preferred web-site language
 - Virtual keyboard for text input with configurable keyboard layout
 - Local root certificate
- Multi-Touch support with gesture control
- Web Interface for device configuration (network parameters, web page address, reload interval, etc.)
- Firmware update via Web Interface or USB flash drive
- Audio output via stereo line out
- Free Windows® software Artista Device Finder for easy configuration of network parameters (static IP or DHCP, hostname, etc.)

Note:

Interaction with web pages via USB keyboard or mouse is NOT supported by WebPoster-M4.



4 Installation and Setup

4.1 Hardware Setup of WebPoster-M4

- Connect the WebPoster-M4 monitor to the Ethernet (LAN)
- Connect the WebPoster-M4 monitor to the power supply
- Models with integrated power adapters must be switched on, models with external power adapter start automatically
- After the system starts the pre-configured web page is displayed on the screen (if WebPoster-M4 has access to the Internet)

4.2 Installation of Artista Device Finder

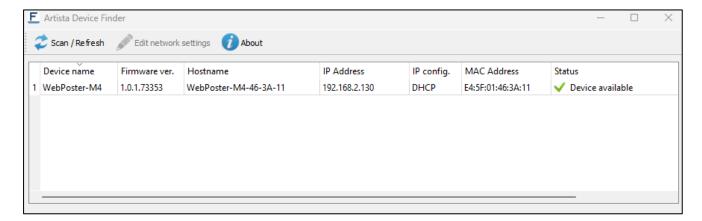
• Install the free Windows software Artista Device Finder (ADF) on the PC. It is required to find the WebPoster-M4 in the network and to execute the configuration of it.

Download link for the ADF setup: https://www.distec.de/service/downloads/webposter-downloads/

The Windows PC and the WebPoster-M4 must be connected to the same network

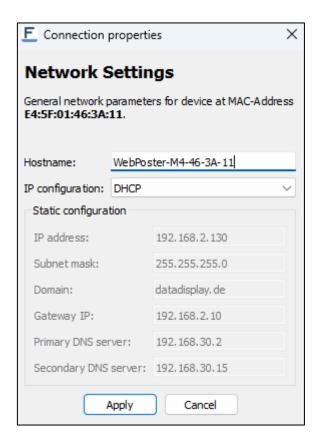
4.3 Network Setup of WebPoster-M4 via Artista Device Finder

- Make sure that WebPoster-M4 is powered on and connected to the same network as the Windows PC
- Start the software Artista Device Finder on the Windows PC
- Press the button Scan / Refresh to scan the network for available WebPoster-M4 devices



Double-click the device to edit the network parameters as required

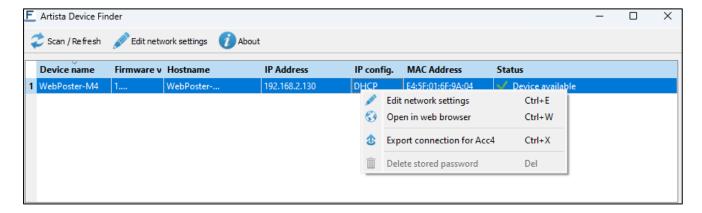




 Press the button Apply and enter the Username and Password of WebPoster-M4 to save the new network parameters on the device. The default login parameters can be found in section Factory Settings of WebPoster-M4

4.4 Device Setup of WebPoster-M4 via Web Interface

• Use the Artista Device Finder, to open the Web Interface of WebPoster-M4 for further configuration. To do so, right-click on the device and select the context menu **Open in web browser**. Your standard Browser opens with the IP address of the WebPoster-M4 and a login dialog appears



- Log in to the Web Interface with the default login parameters (see section Factory Settings of WebPoster-M4)
- Select the menu Browser Settings and enter the URL of the web site that should be displayed on the WebPoster-M4 screen and the Reload Interval if necessary. See section Browser Settings for more details

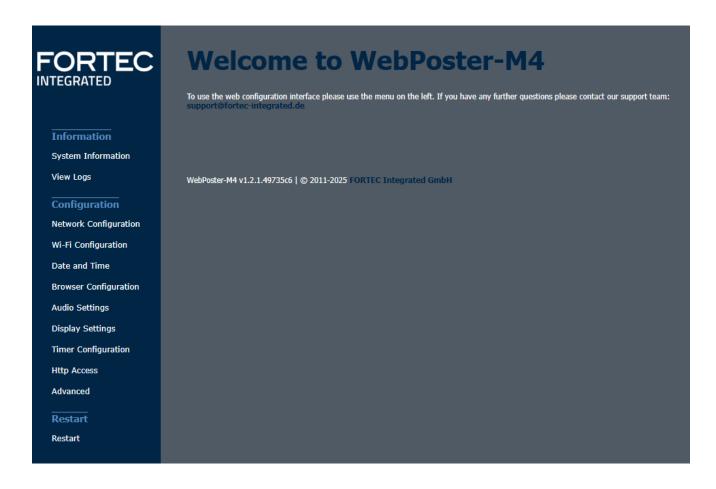


- Select the menu **Display Settings** to select the display orientation **Portrait**, if required. See section Display Settings for more details
- Select the menu Change Password to set your own password. See section Password Settings for more details

Now your WebPoster-M4 monitor is ready to use.

5 WebPoster-M4 Configuration via Web Interface

The WebPoster-M4 configuration interface can be accessed with any common web browser like Microsoft Edge, Google Chrome, Mozilla Firefox and many others. You can establish the connection by using the Windows software Artista Device Finder or by typing the IP address of your device into the browser manually. The current IP address of WebPoster-M4 is displayed on the screen during the system start after power on. When you are asked for the device password, use the stored password (for the default password see the section Factory Settings of WebPoster-M4).

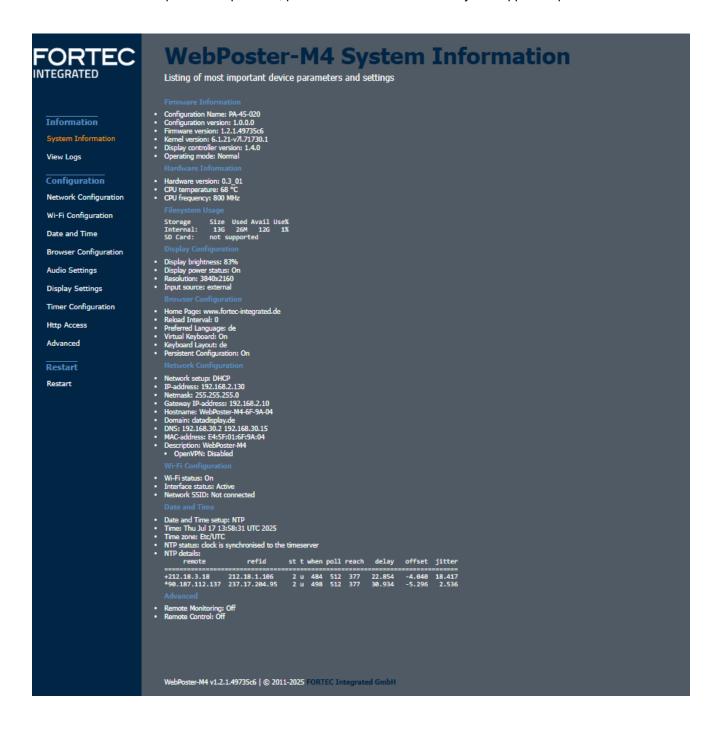




5.1 System Information

This is the menu to get all system information of WebPoster-M4 with one click.

In case of a technical question or problem, please add this information to your support request.





5.2 View Logs

WebPoster-M4 operation can be monitored through its log files. There are several dedicated log files on the device, each committed to logging of a particular subsystem:

- Setup Manager shows which setup files have been executed on the device
- Event Manager shows errors related to event processing
- System shows the system log of the Linux operating system

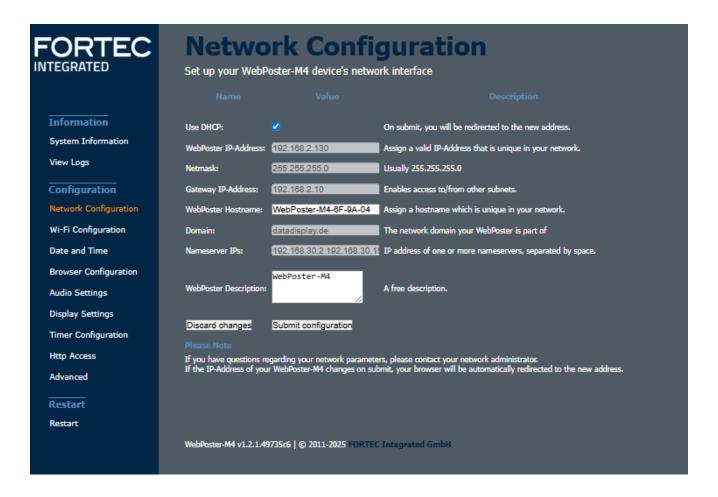
The log files can be erased by clicking "Clear".





5.3 Network Configuration

This is the menu to change the settings of the network interface of WebPoster-M4.



Discard changes:

Use this button to reset all input fields. This will have no effect on the actual configuration settings - only the form inputs will be cleared.

Submit configuration:

Use this button to apply and save the settings entered.

After submitting the new configuration, WebPoster-M4 restarts automatically.



5.3.1 DHCP

To use DHCP for network configuration, tick the **Use DHCP** checkbox. If the device should be reachable by its hostname, the DHCP server must be able to pass hostnames to the DNS. The default hostname of WebPoster-M4 has the following format: WebPoster-M4-xx-xx-xx (WebPoster-M4- followed by the last 3 bytes of its MAC address) but can be set to something more descriptive if needed. The network settings will be displayed on the splash screen shown during start-up of the device.

If DHCP setup fails, the device's network will be configured with its default settings (see section Factory Settings of WebPoster-M4 for more details).

5.3.2 Static IP Adresse

To use a static network configuration for WebPoster-M4, disable the **Use DHCP** checkbox. In this mode the following network parameters can be set manually:

- IP address of WebPoster-M4
- Netmask
- IP address of the Gateway
- Hostname of WebPoster-M4
- Domain
- IP address of the Nameserver (one or more Nameserver addresses separated by space)

When using a static IP address, it must be assured that this address is not used by any other device connected to the network. Please contact your network administrator for details and configuration parameters.

5.4 WiFi Configuration

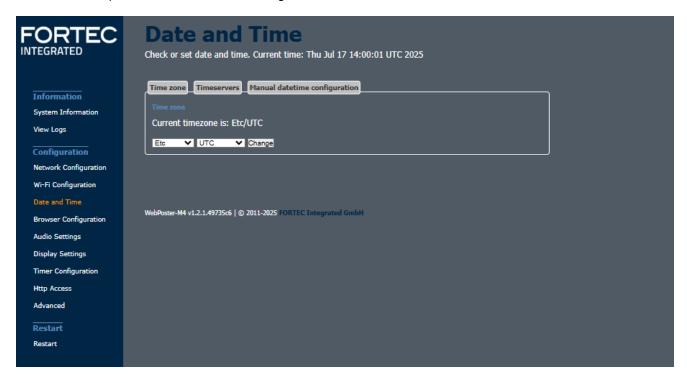
You can establish a WiFi connection in WebPoster-M4 instead of a wired Ethernet connection. (A WiFi/USB stick is required)





5.5 Date and Time

WebPoster-M4 provides Date and time configuration as well as the time zone control of the device.



5.6 Browser Settings

This is the menu to configure the integrated Web Browser of WebPoster-M4.

Home Page:

Set the address (URL) of the web page to be shown in full screen mode on the display.

Reload Interval:

If the content of the web page changes from time to time and the web page doesn't support content update in the browser directly, WebPoster-M4 can be configured to reload the web page periodically. The interval can be set in seconds. To disable the reload function, the interval must be set to **0**.

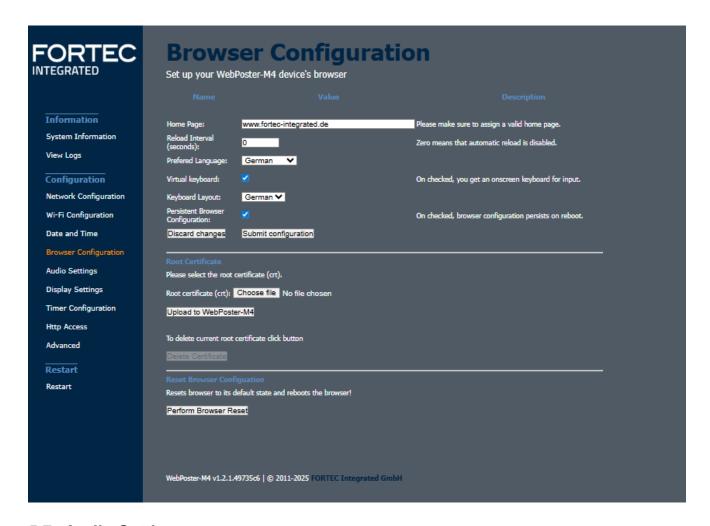
Discard changes:

Use this button to reset all input fields. This will have no effect on the actual configuration settings - only the form inputs will be cleared.

Submit configuration:

Apply and save the settings above.





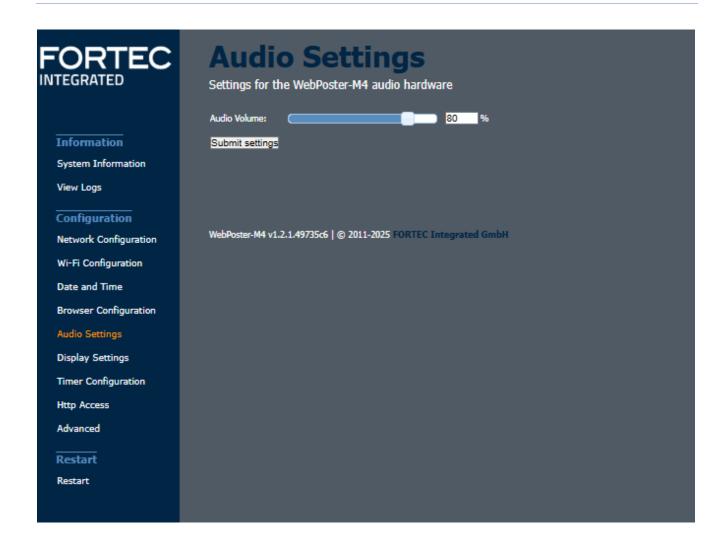
5.7 Audio Settings

This page can be used to set the volume level for audio playback between 0% and 100%.

Submit settings:

Apply and save the selected audio volume.

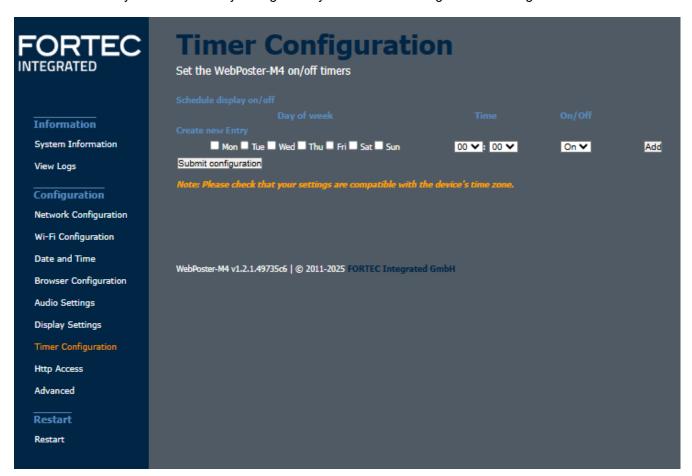






5.8 Timer Configuration

You can schedule your device activity during the day and the week using the time configuration.



5.9 Display Settings

This page can be used to configure the orientation of the content on the screen.

Landscape:

The content is shown on the display in landscape mode (default).

Portrait

The content is shown on the display in portrait mode (rotated 90° counterclockwise).

Submit settings:

Apply and save the display orientation.

Note: If you are using a touchscreen, you need to restart the system after setting the display orientation.





5.10 Password Settings

This is the menu to change the password of WebPoster-M4. This password is required to access the device with Artista Device Finder and with this Web Interface.

The Username is not configurable. The new password must be entered twice to prevent the device from being inaccessible due to typing errors.

Clear:

Use this button to reset the form data. This will have no effect on the actual password setting - only the form inputs will be cleared.

Submit:

By pressing this button, the new password will be activated, and you will have to re-login on changing to any other page of the web interface.

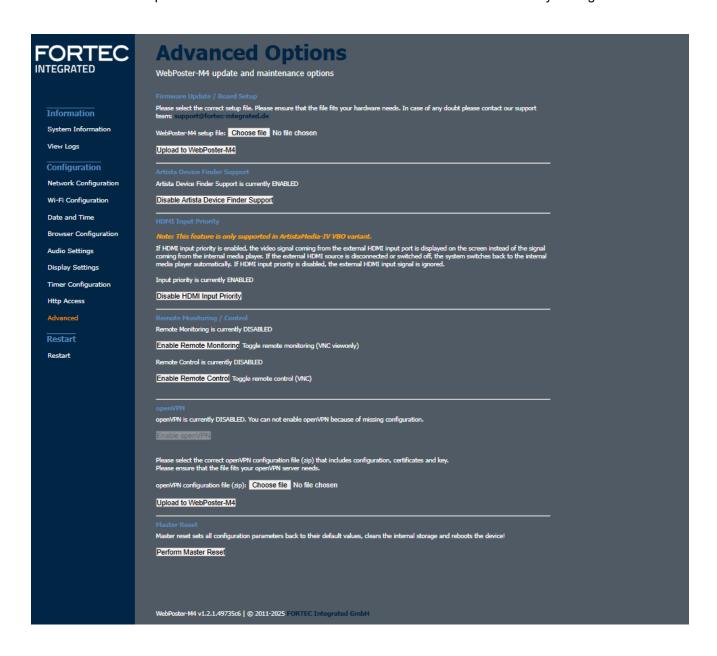


FORTEC	Password Settings Create an arbitrary password for the WebPoster-M4 Web Interface
	Username: Artista
Information	Password:
System Information	Repeat Password:
View Logs	Clear Submit
Configuration	
Network Configuration	
Wi-Fi Configuration	
Date and Time	WebPoster-M4 v1.2.1.49735c6 © 2011-2025 FORTEC Integrated GmbH
Browser Configuration	
Audio Settings	
Display Settings	
Timer Configuration	
Http Access	
Advanced	
Restart	
Restart	



5.11 Advanced Options

This is the menu to update the WebPoster-M4 firmware or reset the device to the factory settings.





5.11.1 Firmware Update / Board Setup

This function can be used to apply a firmware update or setup packages to WebPoster-M4.

Please contact your sales contact person in the FORTEC Group to get the required file.

To check information about your device, select **System Information** from the menu on the left. Please make sure that the firmware update or setup file you are going to install is compatible with your hardware.

Click the **Browse** button and then choose the correct firmware update or setup file. Then press the button **Upload to WebPoster-M4** to upload and install the software on the device.

Warning:

Do not power off your device while the update process is running! This can damage the hardware!

Further details can be found in the section Firmware Update.

5.11.2 Artista Device Finder Support

Here you can enable or disable support for the Artista Device Finder tool. If enabled (default), network configuration can be done remotely from a PC connected to the same **physical** network (for browser access, the PC and the device must be in the same subnet, for Artista Device Finder this is not mandatory). Please see the Artista Device Finder manual for more information.

5.11.3 Master Reset

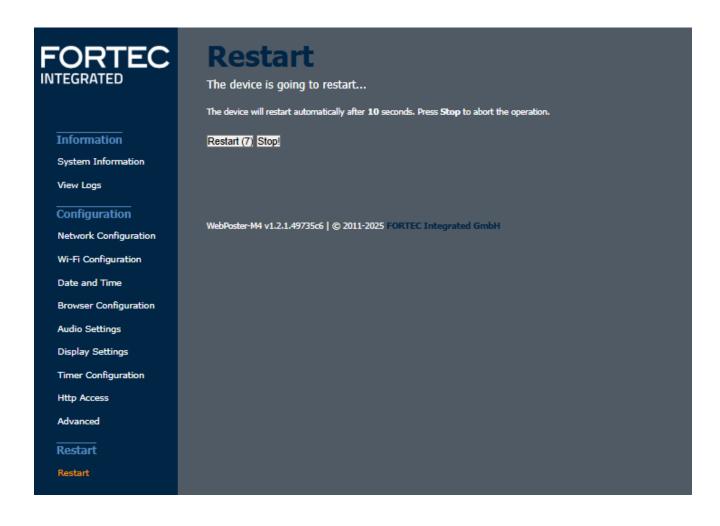
Master reset sets all configuration parameters of WebPoster-M4 back to their factory default values and reboots the device!

Click Perform Master Reset to execute this function and wait until WebPoster-M4 has restarted.



5.12 Restart System

In some cases, it might be necessary to restart WebPoster-M4. The device will automatically restart in 10 seconds but can also be restarted immediately by clicking the **Restart** button. Press **Stop** if you got on this page by mistake and don't need to restart the device.





6 Factory Settings of WebPoster-M4

This section shows all the factory settings of WebPoster-M4. WebPoster-M4 can be reset to these values by using the **Master Reset** in the Web Interface (see section Master Reset for details).

Default Network Configuration:

Parameter	Default Value	Notes
DHCP	Enabled	
IP Address	192.168.0.1	Default IP address, if no DHCP server is available
Netmask	255.255.255.0	Default netmask, if no DHCP server is available
Hostname	WebPoster-M4-xx-xx-xx	xx-xx-xx represents the last 6 bytes of the device's
		MAC address

Default Login Data:

This login data is required for Artista Device Finder and the Web Interface.

Parameter	Default Value	Notes
Username	Artista	Not configurable
Password	Artista	

Default Browser Configuration:

Parameter	Default Value	Notes
Web Page URL	https://www.fortec-integrated.de/	
Auto reload	0	Auto reload disabled

7 Firmware Update

This section describes how to update the firmware of WebPoster-M4.

Name of the Firmware Update File:

setup_WebPoster-M4_Firmware_Update_vV.E.R.S.bin

Note: "V.E.R.S" is a placeholder for the new firmware version number (e.g. "1.2.0.58835")

Warning:

Do not power off your device while the update process is running! This can damage the hardware!

The WebPoster-M4 restarts after the firmware installation automatically. This is normal behavior

Preparations before the Firmware Update:

- Download the firmware zip file "WebPoster-M4_Firmware_Update_vV.E.R.S.zip" and save it on your computer
- Extract the contained firmware file and install it on your WebPoster-M4 as described in the next section



The new firmware can be installed on WebPoster-M4 by using one of the following methods:

7.1 Firmware Update via Web Interface

- 1. Open the web frontend of WebPoster-M4
- 2. Select the menu Advanced
- 3. Click the **Browse** button in the section **Firmware Update / Board Setup** and select the correct firmware update file
- 4. Press the button **Upload to WebPoster-M4** to upload and install the software on the device
- 5. Wait up to 4 minutes and consider the messages in your browser until the installation has finished

7.2 Firmware Update via USB Flash Drive

- 1. Copy the firmware update file into the root directory of an empty USB flash drive
- 2. Insert the USB flash drive into the USB port of your WebPoster-M4
- 3. Read the status messages on the display
- 4. Wait up to 4 minutes until the installation has finished
- 5. Verify if the installation was successful.
 - ⇒ To do so, insert the USB flash drive into a PC and open the log-file called "setup_WebPoster-M4_Firmware_Update_vV.E.R.S.log".
 - □ Check the messages in this log file. For a successful update the last line states:
 □ "Update complete, current FW version is V.E.R.S"



8 Technical Specification

	Distec Monitor Series	BLO-Line A1	
	2.0000	High Bright POS-Line	
Hardware Requirement			
		POS-WP-PRO	
		11 30 m 11 kg	
On a matin or Countains	Embedded Linux	Based on Debian 11 (Bullseye)	
Operating System	Kernel	Version 6.1.21-v7l.71730.1	
	Chromium	Version 104.0.5112.105	
Integrated Browser	HTML5	Yes	
	JavaScript	Yes	
	T	1004 700	
		1024 x 768	
		1280 x 800	
Display	Resolution	1280 x 1024	
		1920 x 1080	
		3840 x 2160	
		1 .	
	Ethernet 10/100	1x	
	Wi-Fi	Yes via USB Dongle	
Network	2G GSM	Not supported	
	3G UMTS	Not supported	
	4G LTE	Not supported	
USB	USB 2.0 Host	2x	
	USB 3.0 Host	Not available	
	LICE Charles	Not our provided	
Audio	USB Speaker Stereo Line Out	Not supported	
	Stereo Line Out	1x	
	Input	1x Available for ArtistaMedia-IV-00 VBO	
HDMI	pat	variant	
1121111	Output	1x	
	,		
	Keyboard	Not supported	
	Mouse	Not supported	
	Light sensor	Yes	
Input Devices	Temperature sensor	Yes	
•	IR sensor	Yes	
	Fan	Yes	
	Touch Screen	Yes	



9 Order Numbers

9.1 Fortec Monitor Series

The table below lists all available monitors with pre-installed WebPoster-M4. For detailed information about the hardware and available options, please contact your sales contact person in the FORTEC Group.

Part #	Description	Display Size	Board type	Display Resolution
PA-45-003	BLO-Line 54.6 WebPoster M4 NA	54.6"	ArtistaMedia-IV-00 VBO	3840x2160
PA-45-005	BLO-Line 42.5 WebPoster M4 NA	42.5"	ArtistaMedia-IV-00 VBO	3840x2160
PA-45-011	BLO-Line 54.6 WebPoster M4 NA	54.6"	ArtistaMedia-IV-00 VBO	3840x2160
PA-45-015	BLO-Line 42.5 WebPoster M4 NA	42.5"	ArtistaMedia-IV-00 VBO	3840x2160
PA-45-018	Standard product 15.6 WebPoster M4 NA	15.6"	ArtistaMedia-IV-10 eDP	3840x2160



Our company network supports you worldwide with offices in Germany, Austria, Switzerland, the UK and the USA. For more information please contact:



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