

FORTEC
GROUP

ARTISTAseries

Solutions

One partner, unlimited technology solutions

Product-Highlights

Designed,
developed and
made in Germany

ARTISTA SERIES



One hardware - infinite possibilities

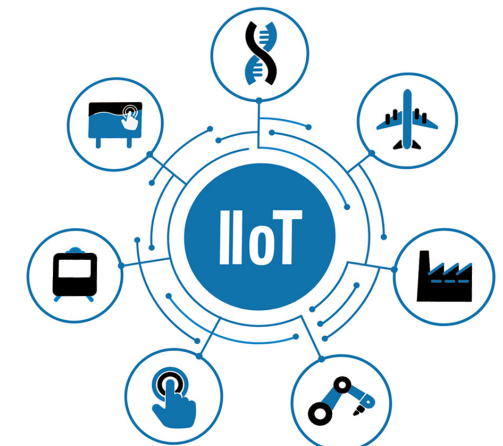
- Direct connection of displays via LVDS, eDP or V-by-One interface
- Simple development of your own intelligent HMI and multimedia monitor solutions
- Flexible and fast design of your own applications on Raspberry OS
- Operating system independent remote monitoring and device management using FORTEC Integrated Software VideoPoster and WebPoster
- Remote management of presentations and playlists using Artista Control Centre
- Automatic identification of devices in the network using Artista Device Finder
- Customised solutions can be implemented quickly on a project basis



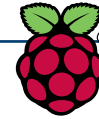
Simple Integration

Linux or Android
based

Maintenance
friendly



Intelligent Networking



ARTISTASERIES

Monitors for the Industrial Internet of Things (IIoT)

The term Industrial Internet of Things (IIoT) describes the growing trend to equip products with own intelligence to offload the user and take decisions at the edge.

The Artista controller boards with the latest Raspberry Pi Compute Modules CM3+ and CM4 are the perfect basis for cost-effective IIoT applications such as:

- SmartGrid (monitoring and control machines)
- Gateway to Middleware
- Facility management (Data acquisition and monitoring of e.g. temperature, sensors, access control etc.)

The Artista controller consists of an ArtistaMEDIA Baseboard and a Raspberry Pi Compute Module which can be easily adapted to the specific requirements of your application. The powerful QuadCore processor allows to design many new applications at a very reasonable price.

The important facts at a glance:

- $T_{op} = -20$ to $+80^{\circ}C$
- Special functions like DICOM pre-set, gamma correction, color calibration possible
- integrated eMMC Flash saves the need of additional storage
- WiFi/Bluetooth via dongle or on board with CM4 module
- Real-time clock
- USB, GPIO, I²C, UART
- Auto-start-up at power on
- Long-term availability: min. 6 years
- Customized solutions can be implemented quickly on a project basis
- Raspberry Pi ensures the broad support of a large developer community
- Linux-based distribution with open source Yocto also available on request

Raspberry Pi 4

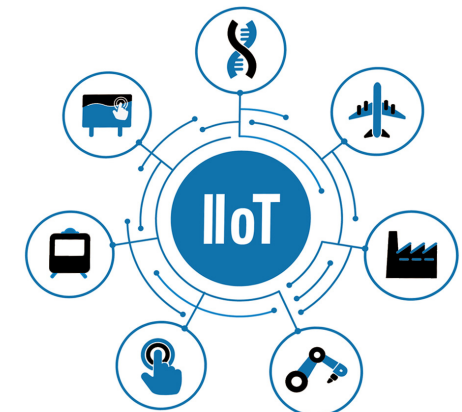
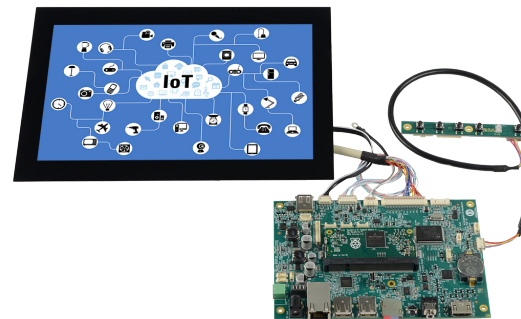
Linux based



Starter Kit (KI-53-000)

Our starter KIT, consisting of BaseBoard, CM3+, a bright 10.1" SFT display with multi-touch PCAP and all necessary cables, supporting developers in implementing their projects quickly and easily.

Of course, a programming adapter and software for configuration are also included. Thanks to the pre-installed Raspberry OS developments can be kicked-off immediately. Support is guaranteed through the huge Raspberry community. Simply unbox and connect the included power supply.

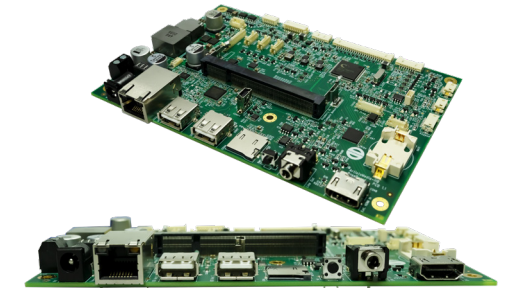
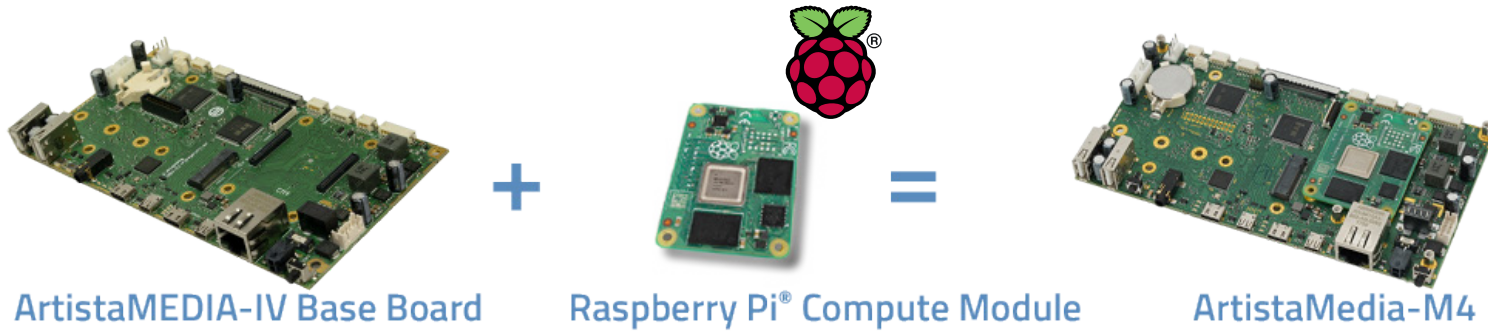


Artista-Hardware

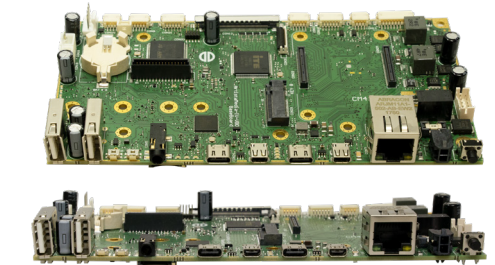
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ARTISTA

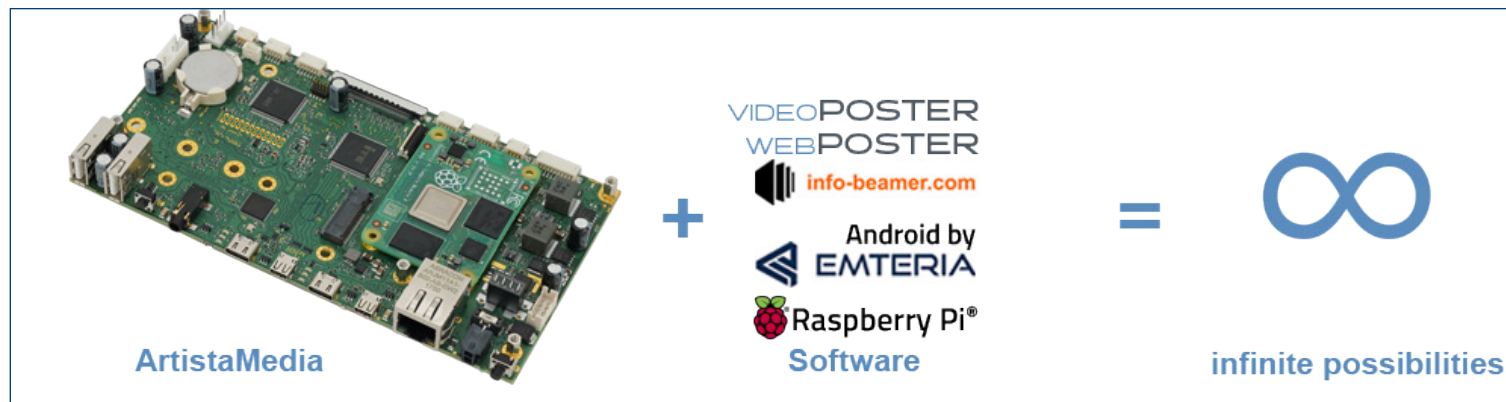
SERIES



ArtistaMedia-III



ArtistaMedia-IV



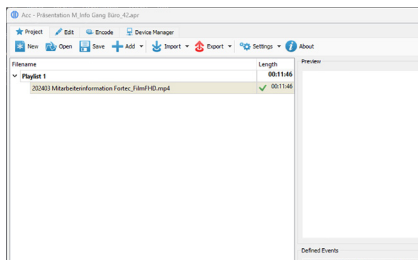
The full potential of your Artista IoT solution can only be realised with the corresponding software. Our software solutions and operating systems are specially tailored to industrial applications.

Application Software

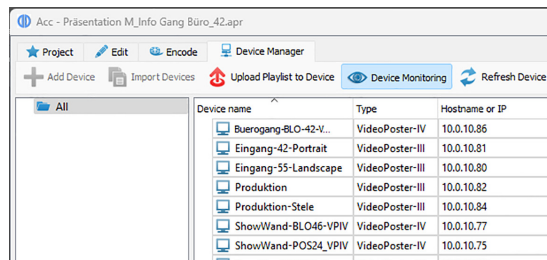
VideoPoster-IV / M4

We have developed the VideoPoster-IV and M4 software suite to match our BaseBoards with Raspberry Pi. VideoPoster is the FORTEC software solution to present images, presentations, videos and PDF files via network, SD card or USB storage media on modern monitors. The software player is the ideal solution for energy-saving media playback at the point of sale or for digital signage applications, as it does not require an additional computer or other playback equipment. The initial setup is the web browser and the playlists are created using our ACC tool. No physical access to the monitor is required. Alternatively, data can be transferred via USB. Connecting via FTP is possible.

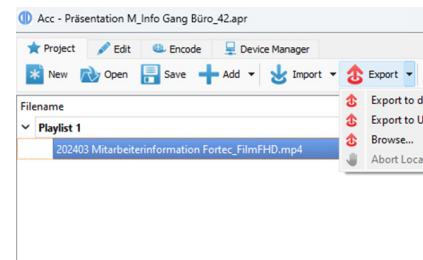
VideoPoster



Tool ACC zur Playlist-Definition



Artista Device Manager - Überblick



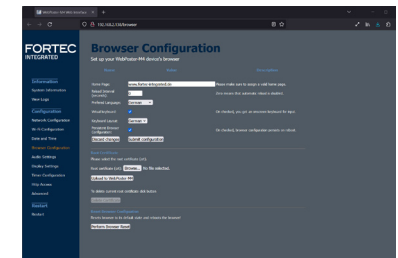
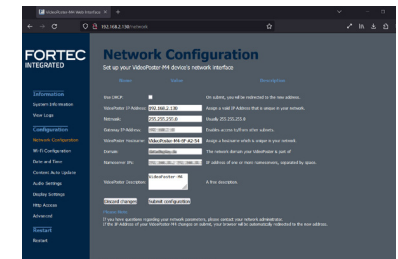
Upload-Möglichkeiten mit Tool ACC

WebPoster M3 / M4

WebPoster M3 and M4 are FORTEC software solutions to display full-screen websites. Specially developed for the Artista IoT boards, WebPoster can display production instructions and statistics in factories or digital signage content. Updates can be conveniently pushed remote via a web interface. The entire device and the content displayed can be managed remotely. This tool offers almost infinite possibilities for configuring the device, monitoring the status of the device, determining the content and more.

The content displayed is always up-to-date, as the selected website is reloaded automatically or after a defined period. In addition, thanks to the integrated embedded operating system, there are no additional costs for monitor management or system updates.

WebPoster



Application Software

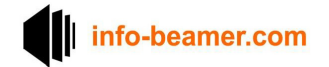
The info-beamer software was specially developed for digital signage applications and supports the Artista IoT with info-beamer hosted. It offers a wide range of possibilities from synchronised video walls and conference room management to electronic timetables for public transport.

[Info.Beamer](#)

Our monitors can be equipped with Codesys PLC software. Codesys is an integrated development environment for programmable logic controllers (PLCs) in accordance with the IEC 61131-3 standard for application development in industrial control and automation technology.

ARTISTA SERIES

INFO BEAMER



CODESYS SPS



Betriebssysteme

Raspberry Pi OS (formerly Raspbian) is a free operating system based on Debian and optimised for the Raspberry Pi Compute Module. It provides all the basic programs to get your Raspberry Pi up and running as well as pre-compiled software for easy installation on your Compute Module. The large Raspberry Pi developer community offers support via the forum.

[Downloadcenter FORTEC Integrated](#)

[Raspberry Pi](#)

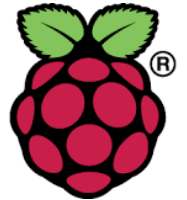
Emteria OS is an Android solution for industrial applications based on the Google AOSP project. Emteria offers a BSP specially customised for the Artista, which includes industry-specific features such as a kiosk mode or the F-Droid. The special Fortec version of the Emteria OS is a perfect solution for industrial HMI applications.

[Emteria](#)

Yocto Linux has established itself as the standard for embedded solutions thanks to its high level of customisability. Ask us about a customised Yocto solution for your Artista.

ARTISTA SERIES

Raspberry Pi OS



EMTERIA OS



EMTERIA

YOCTO LINUX

yocto
PROJECT

Diagonals - Small Format Panels | series POS-Line

ARTISTA SERIES

Panel diagonal	15.0	17.3	19.0	21.5	24.0
Resolution	1024 x 768	1920 x 1080 FHD	1280 x 1024	1920 x 1080 FHD	
Brightness	400	400	300	300	
Viewing angle	80° / 80° / 70° / 70°		88° / 88° / 88° / 88°		
Contrast ratio	700:1	600:1	2000:1	5000:1	
Touch	as an option				
Panel orientation	Landscape and Portrait				
Interfaces	1 x HDMI in, 1 x LAN, 2 x USB 2.0, 1 x microSD card slot, 1 x Audio Line-out				
Power supply	12V DC				
Power consumption	11 W	18 W	24 W	23 W	23 W

Are you looking for a ready-made monitor solution? FORTEC Integrated offers integrated Artista versions with pre-installed software extensions for different display formats, display sizes and monitor series.

Please contact us to provide you with the best fitting solution.

Diagonals - Small Format Panels | series POS-RP-PRO

Panel diagonal	7.0		10.1	13.3		15.6	
Resolution	1280 x 800			1920 x 1080 FHD			
Brightness	500	800	850	350	800	320	1300
Viewing angle	85° / 85° / 85° / 85°			88° / 88° / 88° / 88°			
Touch	PCAP, 10 points						
Panel orientation	Landscape and Portrait						
Interfaces	1 x HDMI in, 1 x LAN, 2 x USB 2.0, 1 x microSD card slot, 1 x Audio Line-out						
Power supply	12V DC						
Power consumt.	7 W	7 W	10 W	13 W	14 W	14 W	14 W

Diagonals - Large Format Panels | various series

Panel diagonal	31.5		37.0	46.0	64.5
Resolution	1920 x 1080 FHD		1920 x 540 FHD	1920 x 1080 FHD	
Brightness	500	1500	700	700	500
Viewing angle	88° / 88° / 88° / 88°				
Contrast ratio	3000:1	4000:1			
Touch	as an option				
Panel orientation	Landscape and Portrait				
Interfaces	1 x HDMI in, 1 x LAN, 2 x USB 2.0, 1 x microSD card slot, 1 x Audio Line-out				
Power supply	AC 100 - 240V/ 50-60 Hz				
Power consumption	43 W	100 W	90 W	61 W	170 W

Diagonals - Large Format Panels | Serie BLO-Line®

Panel diagonal	24.0	31.5	46.0	54.6	64.5
Resolution	1920 x 1080 FHD		1920 x 1080 FHD	3840 x 2160 4K	1920 x 1080 FHD
Brightness	300	500	700	700	500
Viewing angle	88° / 88° / 88° / 88°				
Contrast ratio	5000:1	3000:1	4000:1		
Touch	as an option				
Panel orientation	Landscape and Portrait				
Interfaces	1 x HDMI in, 1 x LAN, 2 x USB 2.0, 1 x microSD card slot, 1 x Audio Line-out				
Power supply	AC 100 - 240V/ 50-60 Hz				
Power consumption	23 W	43 W	61 W	130 W	181 W

ARTISTA SERIES

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

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