



DATA SHEET

Inline MEDI A **Series**

Product Description



2010-03-10

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Inline MEDIA Series Datasheet

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1.1. Available Modules

| | |
|-----------|--------------------------------------|
| PM-10-301 | 17.5" widescreen Inline MEDIA module |
| PM-10-302 | 19" widescreen Inline MEDIA module |
| PM-10-303 | 19" Inline MEDIA module (4:3) |

1.1.1. Module specifications

| ID # | input voltage | max. power consumption | temperature operating/storage | approx. weight |
|-----------|---------------|------------------------|-------------------------------|----------------|
| PM-10-301 | 12V | 38W | 0..40°C / 0..50°C | 4.5 kg |
| PM-10-302 | 12V | 40W | 0..40°C / 0..50°C | 5.5 kg |
| PM-10-303 | 12V | 41W | 0..40°C / 0..50°C | 5.5 kg |

All modules use power jack: Type 2mm polarity



1.2. Specifications of controller board used for Inline MEDIA series

The Inline MEDIA series modules feature the Data Display Group's ArtistaMEDIA industrial controller board. The ArtistaMEDIA is a cost-effective LAN controller which can play back video-shows on applications like info terminals, kiosk systems, advertising & digital signage applications etc.

Key benefits are:

- Easy system integration into LAN/WLAN networks
- Very low power consumption (green IT, environmentally sound)
- Can be integrated into WIN and Linux surroundings
- Update via Push-Technology (e.g. USB flash drive) or Pull-Technology (download from FTP server)

ArtistaMEDIA specifications:

| | |
|-----------------------|--|
| Supported sizes | 6.5" to 82" |
| Supported resolutions | VGA (640x480) up to Full HD (1920x1080) |
| Ethernet | 100MBit/s |
| Network configuration | via Web Browser (DHCP in development) |
| Control | WIN & Linux via driver or SDK (Software Development Kit) |
| WLAN | up to 802.11b/g |

Please find more information here:

<http://www.distec.de/en/Products/TFTControllerBoards/NetworkPlayer.html>

1.3. Specifications of TFT-panels used for Inline MEDIA series

| | |
|-----------------------------|------------------------------------|
| PM-10-301 | 17.5 Inline MEDIA series |
| Display size: | 17.5" |
| Type: | OPTREX TFT LCD |
| Resolution: | WXGA 1280x768 |
| Colors: | 262K (6bit) or 16.7 million (8bit) |
| Brightness: | 400 cd/m ² typ. |
| Contrast ratio: | 500:1 typ. |
| Response time: | 4ms (Tr) / 12ms (Tf) |
| Viewing angle: | 110°/150° (CR > 10) |
| Number of backlights: | 4 CCFL |
| Lifetime of backlight unit: | min. 50.000 hours |

PM-10-302 19 Inline MEDIA series (widescreen)

Display size: 19" (16:10)
Type: Samsung TFT LCD
Resolution: WXGA+, 1440x900
Colors: 16.7 million
Brightness: 300 cd/m² typ.
Contrast ratio: 1000:1 typ.
Response time: 1.3ms (Tr) / 3.7ms (Tf)
Viewing angle: 160°/160° (CR > 10)
Number of backlights: 2 CCFL
Lifetime of backlight unit: min. 50.000 hours

PM-10-303 19 Inline MEDIA series (4:3)

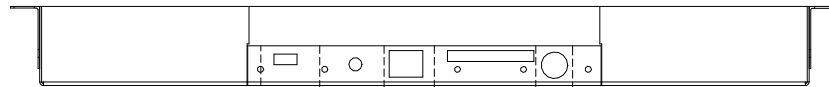
Display size: 19"
Type: Samsung TFT LCD
Resolution: SXGA, 1280x1024
Colors: 16.7 million
Brightness: 300 cd/m² typ.
Contrast ratio: 1500:1 typ.
Response time: 8ms (G to G)
Viewing angle: 178°/178° CR > 10
Number of backlights: 2 CCFL
Lifetime of backlight unit: min. 50.000 hours

1.4. Features & Options

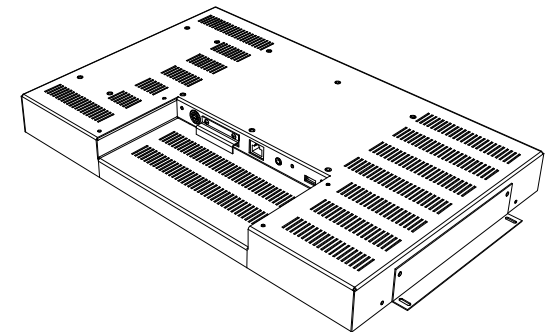
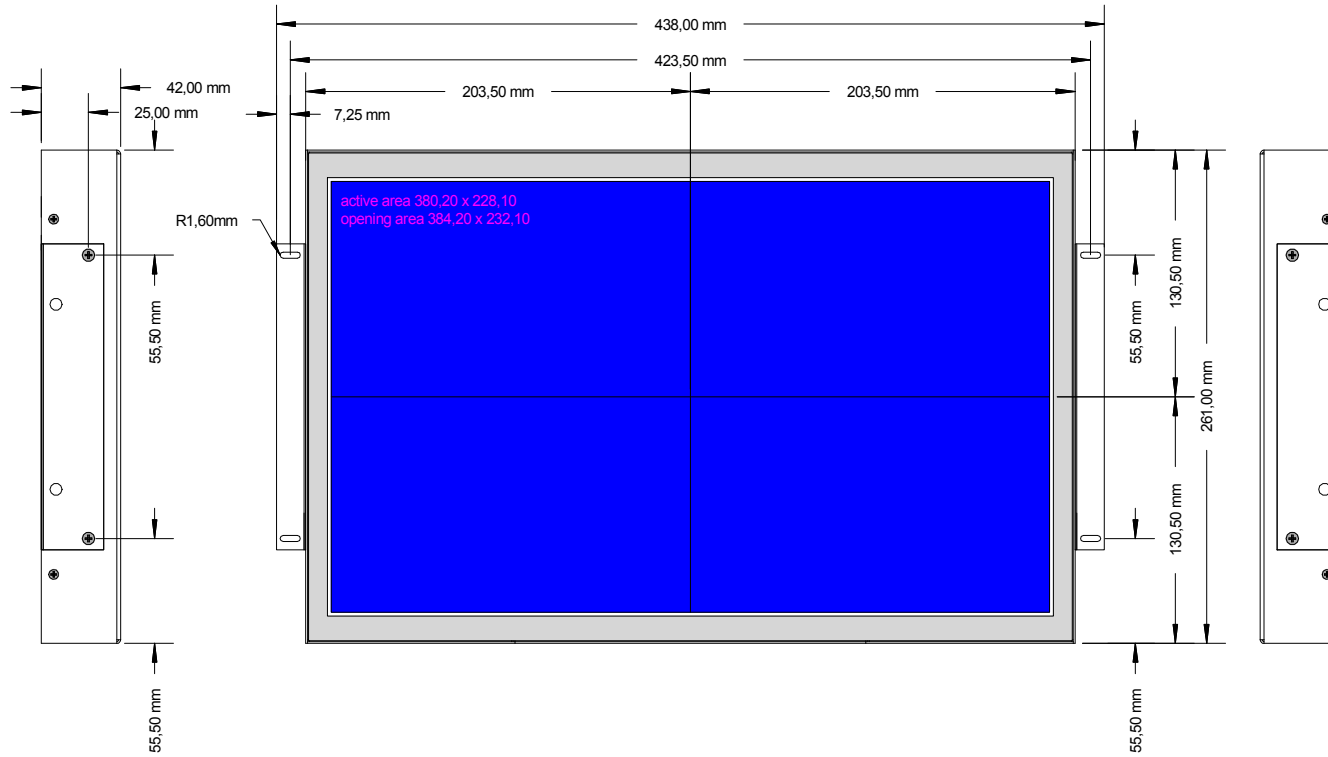
- Power supply: available on request
- OSD menu: included

1.5. Drawings of Inline MEDIA series modules

- please find drawings below



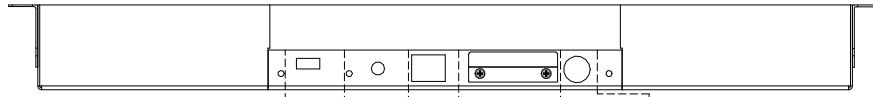
| | | | | |
|----------------------------|----------------------------|--------------------------|------------------------------------|--------------------------------------|
| CON16 USB Port Typ A | CON4 Stereo Line Out | CON6 Ethernet Port | CON9 Compact Flash Type I/II | CON2 External Power Supply 12V |
|----------------------------|----------------------------|--------------------------|------------------------------------|--------------------------------------|



| | | | | |
|--|---------------------------------------|---------------|------------------|------------------|
| TOLERANCES (EXCEPT AS NOTED): DECIMALS: xx = +/- 0,5mm FRACTIONAL: = +/- 1/64 | CUSTOMER: | | | |
| | DRAWING NUMBER (MAIN): PM-10-301 | | | |
| MATERIAL: | TITLE: 17,5 Inline / Artista Media | | | |
| | DATE: 30.06.08 | SCALE: 1:4 | DRAWN BY: AV1 | SHEET: 1 OF 1 |
| THK: | DRAWING NUMBER: | | | |
| FINISH: | | | | |



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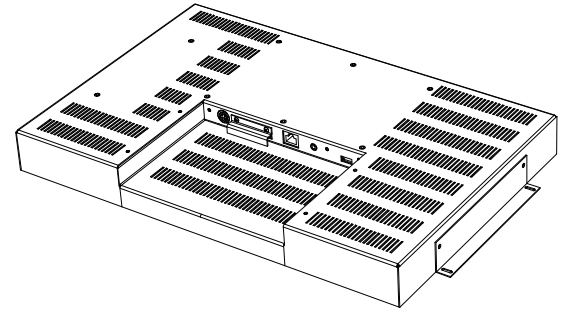
CON16
USB Port
Type A


CON4
Stereo
Line Out

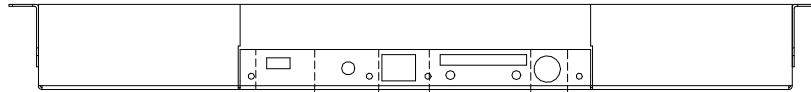
CON6
Ethernet
Port

CON9
Compact Flash
Type I/II

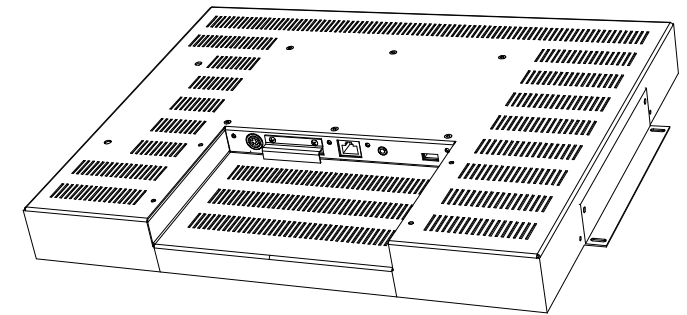
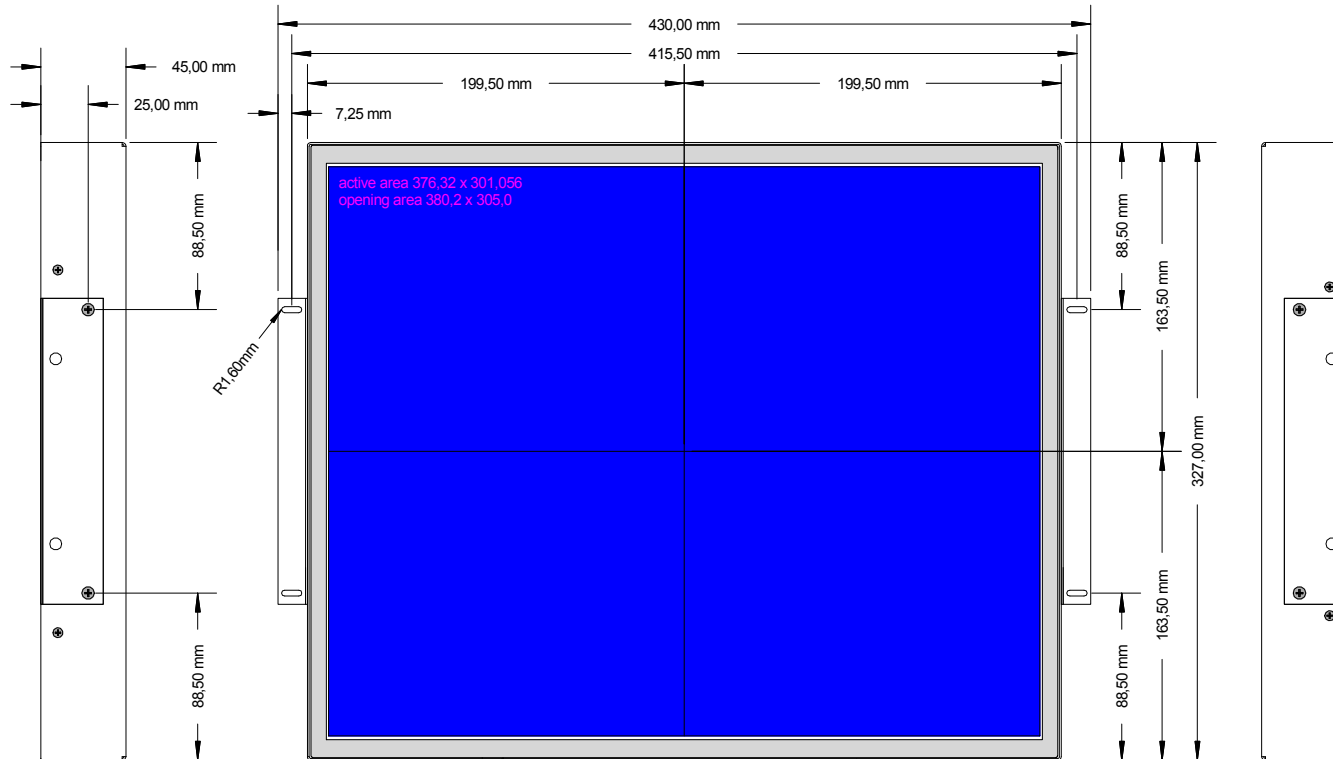
CON2
External Power
Supply 12V




| | | | | |
|---|---------------------------------------|---------------|------------------|--|
| TOLERANCES (EXCEPT AS NOTED): DECIMALS: xx = +/- 0,5mm FRACTIONAL: = +/- 1/64 MATERIAL: | CUSTOMER: | | | |
| | DRAWING NUMBER (MAIN): PM-10-302 | | | |
| THK: FINISH: | TITLE: 19,0 Inline / Artista Media | | | |
| | DATE: 30.06.08 | SCALE: 1:4 | DRAWN BY: AV1 | SHEET: 1 OF 1 |
| DRAWING NUMBER: | | | |  DATA DISPLAY GROUP |
| | | | | |



| | | | | |
|-----------------------------|----------------------------|--------------------------|-----------------------------------|--------------------------------------|
| CON16 USB Port Type A | CON4 Stereo Line Out | CON6 Ethernet Port | CON9 Compact Flash Type III | CON2 External Power Supply 12V |
|-----------------------------|----------------------------|--------------------------|-----------------------------------|--------------------------------------|



| | | | | |
|---|---------------------------------------|---------------|------------------|--|
| TOLERANCES (EXCEPT AS NOTED): DECIMALS: xx = +/- 0,5mm FRACTIONAL: = +/- 1/64 MATERIAL: | CUSTOMER: | | | |
| | DRAWING NUMBER (MAIN): PM 10 303 | | | |
| THK: FINISH: | TITLE: 19,0 Inline / Artista Media | | | |
| | DATE: 03.11.08 | SCALE: 1:4 | DRAWN BY: AV1 | SHEET: 1 OF 1 |
| DRAWING NUMBER: PM 10 303_000_00 | | | |  DATA DISPLAY GROUP |



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