

Compact



The Compact is a display family focused for Passenger Information system in Railways Locations. The core of the system is based on a TFT module directly powered by an Industrial Embedded PC or by a Single Board Computer ARM Cortex A9 Quad core.

The monitor is available from 32" to 46" sizes.

The whole family guarantees, thanks to the high level of Italian quality standard a heavy duty 24/7 service operability.

Applicability

Compact is suited to be placed in Railways environment thanks to the IP55 protection grade (completed protected again dust and water) and high data processing capacity thanks to the new Intel Bay Trail chipset J1900 or new ARM Cortex A9.

Construction

Housing is fully aluminum based, frontally the monitor can be protected with AG polycarbonate with UV protection or Laminated Glass.

Ease Maintenance

Compact features of easy maintenance; the Monitor is fully onsite repairable.



The pictures represented are indicative

Technical Specifications

	32”	42”	46”
TFT Module:			
Active Display Area	698.4 x 392.85 mm	930.24 x 523.26 mm	1018.08 x 572.67 mm
Backlight	LED		
Resolution	Full HD (1920 x 1080)		
Pixel Pitch (mm)	0.36 x 0.36 mm	0.48 x 0.48 mm	0.53 x 0.53 mm
Brightness	500cd/m ² (typ.)	500cd/m ² (typ.) U.R. 700cd/m ² (typ.)	500cd/m ² (typ.) U.R. 700cd/m ² (typ.)
Contrast Ratio	4000:1 typ. (with dimming)	4000:1 typ. (with dimming)	4000:1 typ. (with dimming)
Viewing Angle	R/L 178° - U/D 178° (typ.)	R/L 178° - U/D 178° (typ.)	R/L 178° - U/D 178° (typ.)
Display Colours	16.7 M	16.7 M	16.7 M
Orientation	Portrait / Landscape		
Mechanical			
Housing	Aluminum	Aluminum	Aluminum
Dimensions (W x H x D)	800 x 490 x 90/130 mm	1030 x 620 x 90/130 mm	1120 x 670 x 90/130 mm
Weight	35 Kg	40 Kg	45 Kg
Mounting	VESA 200 x 200/M8	VESA 400 x 400/M8	VESA 400 x 400/M8
Front protection	AG polycarbonate, UV proof or optional Laminated Glass		
Protection grade	IP55		
Temperature			
Operating	0°C / +50°C (-20°C optional with heater inside)		
Storage	-20°C / +60°C		
Embedded PC			
Processor	Industrial Intel Bay Trail Chipset Family J1900 (2.0Ghz, Turbo Boost 2,42GHz) / ARM i.MX6Q (1.00Ghz) *		
Memories	DDR3L 1333MHz, 4GB SO-DIMM, Storage 16GB on SSD / DDR3L 1GB, Storage 4GB on Flash Soldered*		
O.S.	Windows 8 Embedded Std Runtime or Linux / Linux*		
Connections			
Power Input	90 ÷264 V AC – Frequency 47 ÷63Hz (interface on internal termi nal block)		
Consumption	90W (typ.)	110W (typ.)	150W (typ.)
Data communication	LAN 10/100Mbps on RJ45 connection		
External Controls	IR interface, Remote via Ethernet through SNMP protocol, Internal USB Connection		
Video	Internal Dual Channel LVDS		
Diagnostic	Power Supply Status, Fans, Backlight status, External PC HW Watchdog, Internal Temperature, Ambient light		
LED Status	Power Status, Ethernet activity, Fault / Watchdog		
Other Features			
Maintenance	Onsite Maintenance (Preventive & Corrective; direct access by frontal door of main components, AIR filter replacement directly from the rear side)		
MTBF	60.000h		
MTTR	20min onsite		
Certifications			
EN60950, EN50121-4, EN60529, EN60068-2-1, EN60068-2-2, CE			
Upon request			
Brackets for Ceiling and Wall installation, IR Remote Controller, Additional storage on 2.5” SSD, Customized RAM / FLASH configuration			
Notes			
* ARM Cortex Specifications			

G55000XX

PANEL

Active Display Area	55" (682.4 x 1211.6 mm)
Backlight	LED
Resolution	1980 x 1020 px
Pixel Pitch (mm)	0.63 mm (H) x 0.63 mm (V)
Brightness	700cd/m²
Contrast Ratio	5000:1 typ.
Viewing Angle	178° (H) 178° (V)
Display Colours	16.7 Million colours

CONNECTIONS

Video	HDMI, DVI, DP (Display Port)
Power Consumption	~425 W
Power Input	115/230 VAC ± 15%, 50/60 Hz
External Controls	LAN, USB
Diagnostic	Temperature control, fan control, status control Parameters control with SNMP Protocol

MECHANICAL STRUCTURE

Dimensions (W-H-D)	842 x 1370 x 100 mm
Weight	80 Kg
Wall Mounting	Yes
Protective Glass	Laminated front glass with IK-08 protection
Self-Standing Mounting	Yes

Operating Temperature	-10°C to +35°C
Storage Temperature	-20°C to +60°C

SPECIAL FEATURES

Bezel	TBD
Special Features	Available in versions with or without the optical treatment G+Bond NFC Bluetooth Beacons optional PCap TS optional only in the version without the G+Bond
Touch Screen Module	
Media Player Option Type	N/A
IP Rated	IP54

EMBEDDED PC

Processor	Low Profile Industrial PC i5 Processor with 4GB RAM
Memories	64GB SSD Memory

CERTIFICATION

CE

ACCESSORIES

Optional webcam, customer's Logo



G75000XX

Technical Specifications

PANEL

Active Display Area	75" (928.26 x 1650.24 mm)
Backlight	LED
Resolution	3840 x 2160 px
Pixel Pitch (mm)	0.43 mm (H) x 0.43 mm (V)
Brightness	500 cd/m²
Contrast Ratio	4000:1 typ.
Viewing Angle	178° (H) 178° (V)
Display Colours	16.7 Million colours

CONNECTIONS

Video	HDMI, DVI, DP (Display Port)
Power Consumption	~425 W
Power Input	115/230 VAC ± 15%, 50/60 Hz
External Controls	LAN, USB
Diagnostic	Temperature control, fan control, status control Parameters control with SNMP Protocol

MECHANICAL STRUCTURE

Dimensions (W-H-D)	1108 x 1830 x 100 mm
Weight	110 Kg
Wall Mounting	Yes
Protective Glass	Laminated front glass with IK-08 protection
Self-Standing Mounting	Yes

Operating Temperature	-10°C to +35°C
Storage Temperature	-20°C to +60°C

SPECIAL FEATURES

Bezel	TBD
Special Features	Available in versions with or without the optical treatment G+Bond NFC Bluetooth Beacons optional
Touch Screen Module	PCap TS optional only in the version without the G+Bond
Media Player Option Type	N/A
IP Rated	IP54

EMBEDDED PC

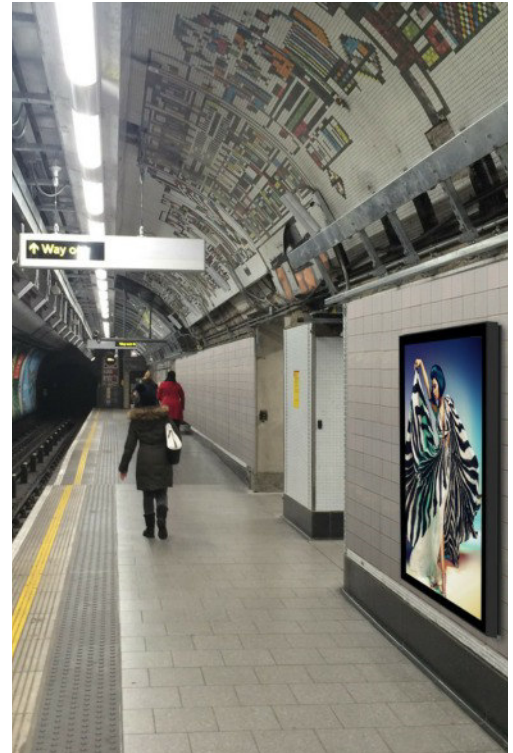
Processor	i5 Processor with 4GB RAM
Memories	64GB SSD Memory

CERTIFICATION

CE

ACCESSORIES

Optional webcam, customer's Logo





Optically enhanced, IP65 displays with directlit LED backlight, designed for 24/7, long term and maintenance free operation in non protected outdoor environments

Active area size (WxH)	32" (697 x 392 mm)
Pixel pitch (mm)	0.36 (H) x 0.36 (V)
Panel native resolution (pixels)	1920 x 1080
Supported video resolution	Customizable up to 1920x1080 @ 60 Hz
Luminance of white (Typ)	1000 cd/m ²
Contrast ratio (ref MIL L 85xxxx)	Min 3:1 (direct sunlight), typ. 3000:1 (dark room)
Response time (gtg)	6 ms (Typ)
Colour range	16.7 Million colours (Max)
Viewing angle	178° (H) 178° (V) Typ. with CR ≥ 10
Video inputs	LVDS with loop through (others on request)
Remote diagnostic functionalities	Yes (embedded firmware)
Sensors	Panel surface test, panel and backlight temperature, backlight life, humidity, shock, vibration ...
Auto brightness control	Yes
Front glass type	Antivandal Optically bonded 6mm tempered AR glass (removable)
IP class	IP65 (no dust filters)
Operating temperature range	- 20°C to +35°C (direct sunlight) - 20°C to +45°C (Covered) lower temp 45°C in case of continuous operation
Storage temperature range	- 20°C to +60°C
Certifications	CE
RoHS	Yes
MTBF (hrs), MTTR (hrs) and Availability	50.000 @ 25°C
Backlight life time (hrs)	Min. ~ 100 K (with direct lit LED backlight)
Input voltage (Vac)	90 4265
Power Consumption (W)	Nominal 200 and Max 350
Weight	60 Kg. Note: 2 fixing points each side are available for wall/stand
mounting	
External dimensions (WxHxD)	850 x 500 x 232 mm
Portrait version	Please contact GDS for details
Available accessories (not included)	Serial cable, LVDS cables, GSM R modem, antenna
Custom embedded PC	Please contact GDS for details

G4600169

Technical Specifications

PANEL

Active Display Area	46" (1018.08 x 572.67 mm)
Backlight	LED
Resolution	1920 x 1080
Pixel Pitch (mm)	0.53 mm (H) x 0.53 mm (V)
Brightness	1500 cd/m ²
Contrast Ratio	4000:1
Viewing Angle	176° (H) 178° (V) with CR ≥ 10
Display Colours	16.7 Million colours (Max)

CONNECTIVITY

Video	VGA, DVI-D, HDMI
Power Consumption	420 W (Max)
Power Input	90-264 VAC of input voltage
External Controls	N/D
Diagnostic	remote through USB connection, and dimmable autobrightness control

MECHANICAL STRUCTURE

Dimensions (W-H-D)	1190 x 707 x 232 mm
Weight	Approx 90 Kg
Wall VESA Mounting	4 Fixing points each side are available for wall mounting
Protective Glass	Laminated AR Glass with optical enhancement for the readability with sunglasses, with P2A (Glass) IK-8 (Housing) of impact damage protection.
Self-Standing Mounting	N/D
External Color	RAL 7016
Operating Temperature	-20°C to +45°C (direct sunlight) / -40° optional -20°C to +50°C (covered) / -40° optional
Storage Temperature	-40°C to +60°C

SPECIAL FEATURES

Bezel	N/D
Special Features	Optical enhancements G-Bond and bonding technology, aesthetic customization of the bezel MTBF 50,000 hours
Touch Screen Module	N/D
Media Player Option Type	N/D
IP Rated	IP54 (rear) IP65 (front)

EMBEDDED PC

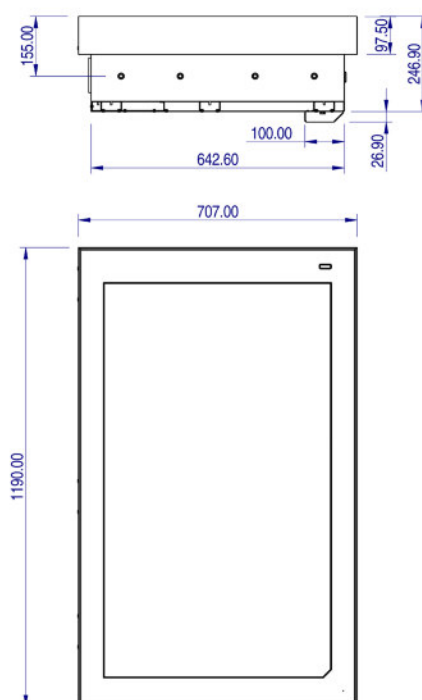
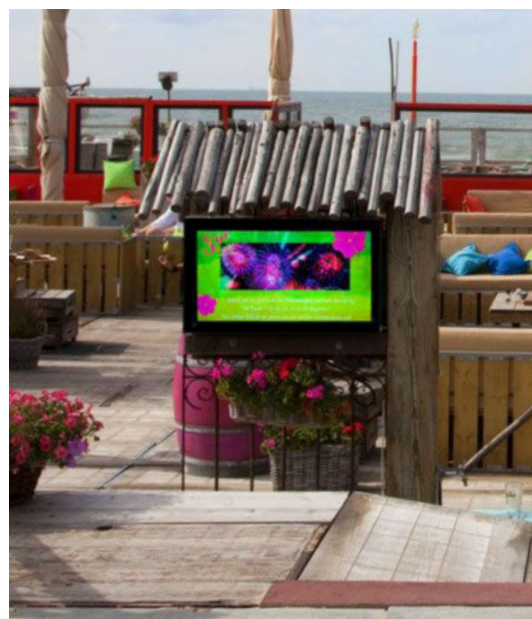
Processor	AIMB270
Memory	Window 7 with CPU Intel Core i5-520M
Connectivity	2GB RAM, 80GB Hard Disk Optional: Wifi, or Router 3G

CERTIFICATION

CE

ACCESSORIES

Please contact GDS for available options





55" MIDAS

MIDAS is the right solution for every outdoor digital signage applications.

MIDAS is designed to provide a very appealing picture and to operate efficiently under full sunlight conditions without the adverse effects of solar loading on the LCD panel. Additionally MIDAS is IP65 and the electronic is protected from dust and air pollutants along with rain and snow. The temperature is maintained (heating & cooling) within the casing to provide optimum operations from -25°C to +45°C (Direct sunlight) / -25°C to +50°C (Covered).

If required additional heating elements can be added.

MIDAS is designed to operate 24/7 and includes a built-in diagnostic system to monitor the operational performance of the display. The extendable front frame allows easy maintenance while the anti-vandal glass guarantees safety in public environments.

G5500063

PANEL

Active Display Area	55" (1211.6 x 682.4 mm)
Backlight Resolution	LED
Pixel Pitch (mm)	1920 x 1080
Brightness	0.63 mm (H) x 0.63 mm (V)
Contrast Ratio	2500 cd/m ² (Typ)
Viewing Angle	5000:1
Display Colours	178° (H) 178° (V) with CR≥10 16.7 Million colours (Max)

CONNECTIVITY

Video	
Power Consumption (Max)	HDMI, DVI, VGA
Power Input	500 W
External Controls	115 - 230 VAC
Diagnostic	STandard USB or RJ45 Ethernet cable connection Diagnostic parameters managed through SNMP GDS subagent: LCD screen state, internal temperature - humidity level control, vibration sensor, internal heater state, fan state and speed control, ambient light and LCD backlight control

MECHANICAL STRUCTURE

Dimensions (W-H-D)	842 x 1370 x 169.5 mm
Weight	103 Kg
Wall Mounting	4 Fixing points each side are available for wall mounting
Protective Glass	Monolithic toughened or laminated glass (IK-08 impact resistance) and optical enhancement G+Bond
Self-Standing Mounting	Yes
Operating Temperature	-25°C to +45°C (Full sunlight conditions) -25°C to +50°C (Covered)

SPECIAL FEATURES

Bezel	70 mm
Special Features	MTBF 50000 hours Book frontal opening
IP Class	IP65

EMBEDDED PC

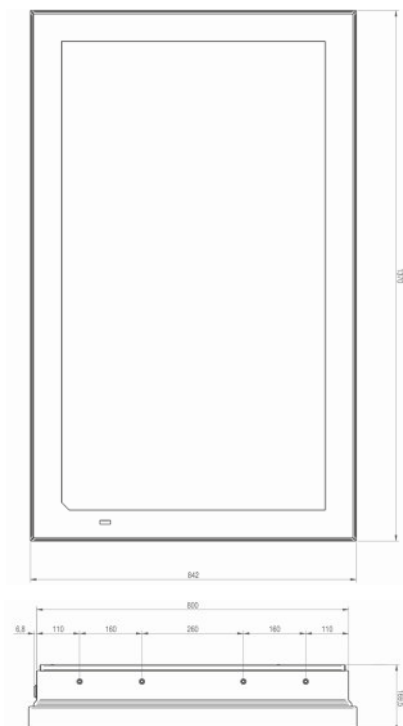
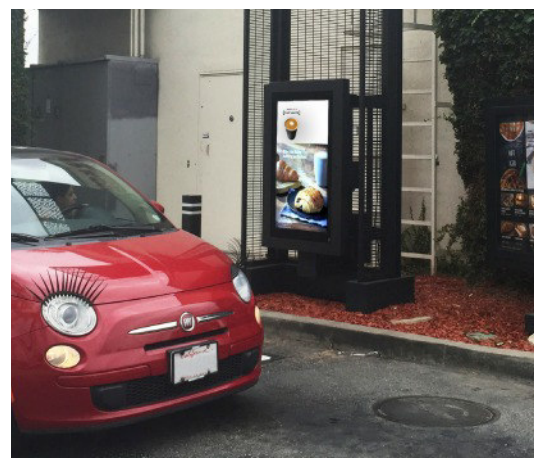
Optional upon request

CERTIFICATION

CE, UL

ACCESSORIES

Possibility of master and slave versions



G75000XX

Technical Specifications

PANEL

Active Display Area	75" (928.26 x 1650.24 mm)
Backlight	LED
Resolution	3840 x 2160 px
Pixel Pitch (mm)	0.43 mm (H) x 0.43 mm (V)
Brightness	3000 cd/m ²
Contrast Ratio	4000:1 typ.
Viewing Angle	178° (H) 178° (V)
Display Colours	16.7 Million colours

CONNECTIONS

Video	HDMI, DVI, DP (Display Port)
Power Consumption	~925 W
Power Input	115/230 VAC ± 15%, 50/60 Hz
External Controls	LAN, USB
Diagnostic	Temperature control, fan control, status control Parameters control with SNMP Protocol

MECHANICAL STRUCTURE

Dimensions (W-H-D)	1108 x 1830 x 100 mm
Weight	110 Kg
Wall Mounting	Yes
Protective Glass	Laminated front glass with IK-08 protection
Self-Standing Mounting	Yes

Operating Temperature	-20°C to +50°C
Storage Temperature	-20°C to +60°C

SPECIAL FEATURES

Bezel	TBD
Special Features	Available in versions with or without the optical treatment G+Bond NFC Bluetooth Beacons optional PCap TS optional only in the version without the G+Bond
Touch Screen Module	
Media Player Option Type	N/A
IP Rated	IP54

EMBEDDED PC

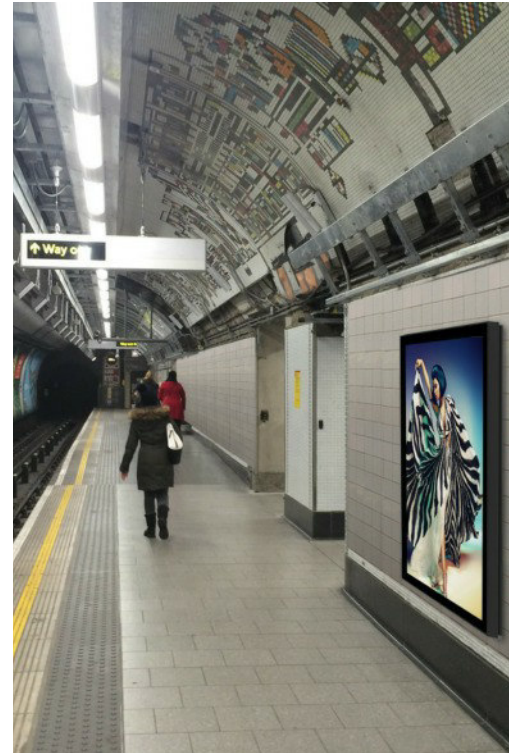
Processor	i5 Processor with 4GB RAM
Memories	64GB SSD Memory

CERTIFICATION

CE

ACCESSORIES

Optional webcam, customer's Logo





38" MIDAS Stretched

- Thermally managed
- Direct sunlight readable
- 24/7 operability
- -20° / $+40^{\circ}$ (extendable)
- G+Bond optical bonded



MIDAS Stretched is an ultra-wide outdoor display, designed to operate in direct sunlight and the harshest weather conditions, as well as the high shock and vibration environment in which they could be located.

These displays are being deployed on platforms to provide passengers with up to the minute status of scheduled stops, local news, time and weather, emergency notifications and additional information to enhance the rider's experience.

Included in each display is an embedded PC system that monitors the health and well-being of the display and which communicates directly with the content network management system and power protection devices.

All MIDAS displays come with G+Bond enhanced optical bonding to provide the sharpest video images, to guard against vandalism and to provide greater safety in case the front glass is broken. This also prevents any dust accumulation or condensation on the LCD. The single and dual display mounting systems have been designed for ease of installation and servicing.

Technical Specifications

Active Display Area	38" (930 x 243 mm)
Backlight	LED
Resolution	1920 x 502
Pixel Pitch (mm)	0.53 mm (H) x 0.53 mm (V)
Brightness	1000 cd/m ² (Typ)
Contrast Ratio	1000:1
Viewing Angle	178° (H) 178° (V)
Display Colours	16.7 Million colours (Max)

Video	LVDS
Audio	N/D
Power Consumption	300 W (Max)
Power Input	110 - 240 VAC, 0 - 60 Hz of input voltage
External Controls	N/D
Diagnostic	N/D

Dimensions (W-H-D)	1118 x 457 x 254 mm
Packaging Dimensions	1400 x 470 x 310 mm
Weight	34 Kg
Wall VESA Mounting	N/D
Protective Glass	Optically bonded 6mm harden glass (removable) with AR coating with EN356-P2A of damage protection
Self-Standing Mounting	N/A

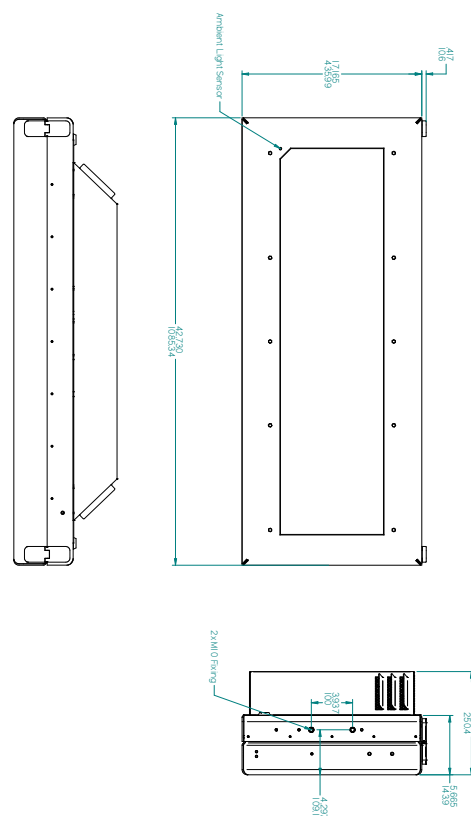
Operating Temperature	0°C to +35°C
Storage Temperature	-20°C to +60°C

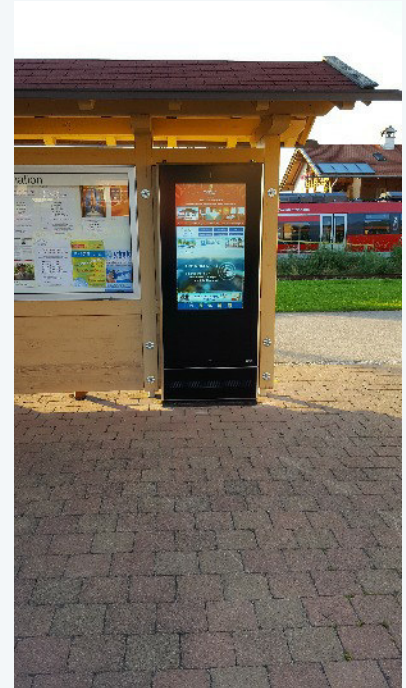
Bezel	N/D
Special Features	Adaptable in single or double sides. The display can be removed / replaced without removal of the brackets
	MTBF 30000 hours half life
Touch Screen Module	N/D
Media Player Option Type	N/D
IP Rate	IP65

Processor	Intel or AMD processor, with Linux Ubuntu 10.4, Windows OS available as option
Memory	2GB DDR SDRAM
Connectivity	RJ45 10/100/1GB Ethernet connection

CE

Additional USB port accessible from the bottom of the display





Outdoor LCD totems - *Avior series*

Impactful, engaging information

Aesys Full Outdoor LCD Totems *Avior Series* add value and style to any installation, and grab their target's attention even before they deliver their promotional content.

Easy, visible and flexible

LCD totems are the ideal solution to deliver advertising messages and information to people with an immediate impact, perfect visibility even direct sun, on site serviceability and flexibility to easy integration of any interactivity device (multi touch screen, web cam player or pc...).

Brand Customization

Designed to be easily customized both aesthetically and mechanically, Aesys LCD totems *Avior Series* are ideally suited to identify your brand or organization through colours and image customization, till even more extreme one to strenghten your brand image.

Installation in any environment

High brightness LCD display totem designed to respond to any extreme outdoor conditions: able to properly work in every environment protected from hot, cold, dust

General technical

Type of totem:	Full Outdoor IP65 all conditions - direct sun too	
Versions:	Single and double sided, both just 200mm depth only	
Resolution:	Full HD 1.920x1.080 pixels	
Sizes:	55" and 75", super high brightness 2500 cd/m ²	
Dimensions (mm):	47"/55"	L 890 x H 2.100 x D 200
	75"	under developing
Housing:	Aluminium and full black glass design chassy	
Protective screen:	vandalproof, non-reflective, UV resistant	
Protection rating:	IP65	



Highly versatile functions and interactivity

Integrated diagnostic control board. Continuously control of system functions: Temperatur, fans, panel, voltages....

LCD totems can be integrated with equipment to boost the audience's experience, such as multi touchscreen displays, webcams, proximity sensors and PC/players.

Outstanding reliability, low maintenance

Aesys's renowned quality in design and production, the fruit of forty years of experience in information displays, assures the reliability and ease of on-site maintenance of the product.



Technical:

Panel:	55"
Backlight:	LED
Resolution:	1080 x 1920
Brightness:	2500 cd/m ²
Contrast:	4000 : 1
viewing:	176° / 176°
Colors:	16,7 Million
Input:	VGA, DVI, HDMI
Power:	700 W
Voltage:	240 VAC / 50Hz
Weight:	approx. 180kg
Tem. Range:	-20°C to 45°C
MTBF:	50.000 hours
IP class:	IP 65
ant. Vand.:	Laminated AR glass UV-filter

non air condition based temperatur management. Low power technology over heating protection.

automatic brightness control

Optional:

interactive multi touch.
industrial PC
other...

G5500057 (Single Side) G5500058 (Double Side)

Technical Specifications

PANEL

Active Display Area	55" (1211.6 x 682.4 mm)
Backlight	LED
Resolution	1920 x 1080
Pixel Pitch (mm)	0.63 mm (H) x 0.63 mm (V)
Brightness	2500 cd/m ² (Typ)
Contrast Ratio	5000:1
Viewing Angle	178° (H) 178° (V) with CR≥10
Display Colours	16.7 Million colours (Max)

CONNECTIVITY

Power Consumption (Single Side)	496 W in nominal maximum conditions
Power Consumption (Double Side)	992 W in nominal maximum conditions
Power Input	115 - 230 VAC
External Controls	RJ45 Ethernet cable and Optical Fiber with KTI optical switch
Diagnostic	Diagnostic parameters managed through SNMP GDS subagent: LCD screen state, internal temperature - humidity level control, vibration sensor, internal heater state, fan state and speed control, ambient light and LCD backlight control

MECHANICAL STRUCTURE

Dimensions Single Side	842 x 1870 x 174.5 mm
Dimensions Double Side	842 x 1870 x 349 mm
Weight Single Side	188 Kg
Weight Double Side	376 Kg
Protective Glass	Monolithic toughened glass with Glass Housing IK-08 of damage protection and optical enhancement G+Bond
Self-Standing Mounting	Yes
External Color	Black Noir 900 Sablè SN 351F
Operating Temperature	-20°C to +45°C
Storage Temperature	-30°C to +60°C

SPECIAL FEATURES

Special Features	MTBF 50000 hours Book frontal opening Bottom customer's logo
IP Class	IP55

EMBEDDED PC

Processor	Advantech AIMB-270 with Intel I5-520M
Memory	Hard drive SSD 64 GB and 4GB RAM

CERTIFICATION

	EN 55011, EN 55022, EN 55024, EN 60950-1 / -22, EN 61000-3 (2, 3) / -4 (from 2 to 11) / -6 (2, 4), IEC 60068-2 (1, 2, 9, 14)
	RoHS, CE, EN 45545-2, EN 13501-1

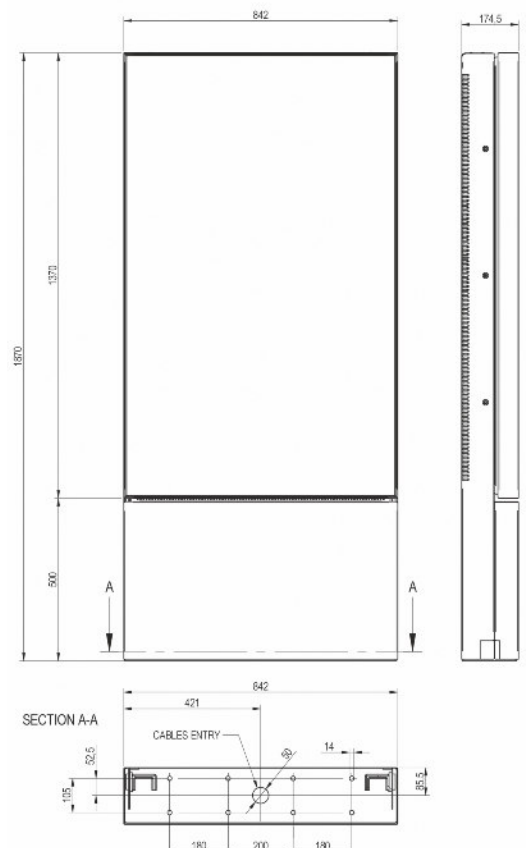
ACCESSORIES

Optional protection bar

Single Side



Double Side



G7500057 (Single Side)

Single Side

Technical Specifications

PANEL

Active Display Area	75" (928,26 x 1650.24 mm)
Backlight	LED
Resolution	3840 x 2160
Pixel Pitch (mm)	0.43 mm (H) x 0.43 mm (V)
Brightness	3000 cd/m ² (Typ)
Contrast Ratio	5000:1
Viewing Angle	178° (H) 178° (V) with CR± 0
Display Colours	16.7 Million colours (Max)

CONNECTIVITY

Power Consumption (Single Side)	996 W in nominal maximum conditions
Power Consumption (Double Side)	
Power Input	
External Controls	
Diagnostic	RJ45 Ethernet cable and Optical Fiber with KTI optical switch Diagnostic parameters managed through SNMP GDS subagent: LCD screen state, internal temperature - humidity level control, vibration sensor, internal heater state, fan state and speed control, ambient light and LCD backlight control

MECHANICAL STRUCTURE

Dimensions Single Side	1088 x 2300 x 174.5 mm
Dimensions Double Side	
Weight Single Side	188 Kg
Weight Double Side	
Protective Glass	Monolithic toughened glass with Glass Housing IK-08 of damage protection and optical enhancement G+Bond
Self-Standing Mounting	Yes
External Color	Black Noir 900 Sablè SN 351F
Operating Temperature	-20°C to +45°C
Storage Temperature	-30°C to +60°C

SPECIAL FEATURES

Special Features	MTBF 50000 hours Book frontal opening Bottom customer's logo
IP Class	IP55

EMBEDDED PC

Processor	Advantech AIMB-270 with Intel I5-520M
Memory	Hard drive SSD 64 GB and 4GB RAM

CERTIFICATION

	EN 55011, EN 55022, EN 55024, EN 60950-1 / -22, EN 61000-3 (2, 3) / -4 (from 2 to 11) / -6 (2, 4), IEC 60068-2 (1, 2, 9, 14)
	RoHS, CE, EN 45545-2, EN 13501-1

ACCESSORIES

Optional protection bar

