

### PUBLIC DISPLAYS - Outdoor - LCD/TFT - 16:9 format

Diagonal Model	32" / 80 cm 6932 PD	42" / 106 cm 6942 PD	47" / 119 cm 6947 PD
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Display			
Active screen dimensions (h x v)	697 x 392 mm	930 x 523 mm	1039 x 584 mm
Resolution (Pixel)	1366 x 768	1920 x 1080	1920 x 1080
Viewing angle (typical)	178°	178°	178°
Contrast ratio (typical)	3500:1	1200:1	1200:1
Brightness (max.)	500 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>
Colour performance	16.7 Mio colour simultaneously (full colour)		
Safety / contrast enhancement panel	anti-glare, 85% light transmission (typical)		

International Protection Rating			
IP code	IP54	IP54 / IP65	IP54 / IP65

Environmental conditions	
Temperature (with internal climate control)	-15°C to + 40°C (operating), -20°C to +60°C (non-operating)
Extended temperature range (option)	-25°C to + 40°C (operating), -20°C to +60°C (non-operating)
Temperature (w/o internal climate control)	0°C to + 40°C (operating), -20°C to +60°C (non-operating)
Humidity	10% to 90% (non-condensing)

Power	
Power supply	230V AC (115V AC on request), 50/60Hz ±6%

Power consumption (depending on configuration)			
With integrated controller	125W (typical)	180W (typical)	240W (typical)
Heating active (max.)	325W (IP54)	300W (IP54), 320W (IP65)	340W (IP54), 380W (IP65)
With integrated PC	115W (typical)	170W (typical)	230W (typical)
Heating active (max.)	315W (IP54)	300W (IP54), 320W (IP65)	340W (IP54), 380W (IP65)
Monitor version	95W (typical)	150W (typical)	210W (typical)
Heating active (max.)	295W (IP54)	265W (IP54), 285W (IP65)	340W (IP54), 380W (IP65)

Dimensions & Weight			
<b>IP54</b>			
H x W x D	595 x 931 x 183 mm	678 x 1128 x 153 mm	754 x 1260 x 153 mm
Weight kg (+/- 10%)	40 kg	55.5 kg	74.5 kg
<b>IP65</b>			
H x W x D	-	678 x 1128 x 210 mm	754 x 1260 x 210 mm
Weight kg (+/- 10%)	-	64 kg	82 kg

Touch Option			
Touch Panel	On request	On request	On request

Sunlight Readable Panel Solution			
For high brightness environment	○	●	●

Approvals	
EMI/EMC	EN55022 class A, EN55024, EN61000-3-2/-3
Safety	EN60950, CE

Options	
Wall mount bracket, ceiling mount bracket, tilt wall mount (not for 6982 PD)	

Colour	
Standard colour cabinet/front panel	RAL 9006 (white aluminium), powder coated
Customized colour	On request

● yes ○ no



### PUBLIC DISPLAYS - Outdoor - LCD/TFT - 16:9 format

<b>Diagonal Model</b>	<b>55" / 140 cm 6955 PD</b>	<b>82" / 206 cm 6982 PD</b>
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Display		
Active screen dimensions (h x v)	1209 x 680 mm	1805 x 1015 mm
Resolution (pixel)	1920 x 1080	1920 x 1080
Viewing angle (typical)	178°	170°
Contrast ratio (typical)	4000:1	2000:1
Brightness (max.)	700 cd/m <sup>2</sup>	600 cd/m <sup>2</sup>
Colour performance	16.7 Mio colour simultaneously (full colour)	
Safety / contrast enhancement panel	anti-glare, 85% light transmission (typical)	

International Protection Rating		
IP code	IP65	IP54

Environmental conditions		
Temperature (with internal climate control)	-15°C to +40°C (operating), -20°C to +60°C (non-operating)	
Extended temperature range (option)	-25°C to +40°C (operating), -20°C to +60°C (non-operating)	
Temperature (w/o internal climate control)	0°C to +40°C (operating), -20°C to +60°C (non-operating)	
Humidity	10% to 90% (non-condensing)	

Power		
Power supply	230V AC (115V AC on request), 50/60Hz ±6%	

Power consumption (depending on configuration)		
With integrated controller	t.b.d.	1000W (typical) < 3000W (max.)
Heating active (max.)	t.b.d.	
With integrated PC	t.b.d.	1000W (typical) < 3000W (max.)
Heating active (max.)	t.b.d.	
Monitor version	t.b.d.	1000W (typical) < 3000W (max.)
Heating active (max.)	t.b.d.	

Dimensions & Weight		
<b>IP54</b>		
H x W x D	-	1420 x 2185 x 372 mm
Weight kg (+/- 10%)	-	300 kg
<b>IP65</b>		
H x W x D	1484 x 944 x 233 mm	-
Weight kg (+/- 10%)	100 kg	-

Touch Option		
Touch Panel	On request	On request

Sunlight Readable Panel Solution		
For high brightness environment	•	○

Approvals	
EMI/EMC	EN55022 class A, EN55024, EN61000-3-2/-3
Safety	EN60950, CE

Options	
On request	

Colour	
Standard colour cabinet/front panel	RAL 9006 (white aluminium), powder coated
Customized colour	On request

• yes    ○ no



## Display with integrated GEB8 (Graphic Engine Board)

### Display supplied with integrated controller GEB, operating system, monitoring software and client software

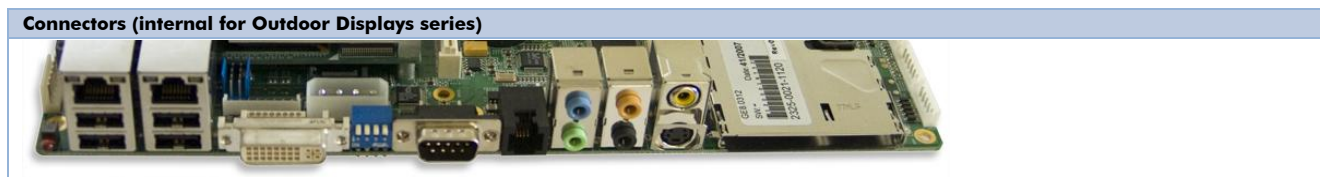
This embedded solution offers an extremely reliable platform in network. For maximum safety, the real time operating systems runs on a compact flash card. Remote monitor control allows monitoring and control of display settings.

GEB version	Basic	Basic with HDD	Performance
Processor	Intel ATOM N270	Intel ATOM N270	Intel Celeron 1.86 GHz
Memory - 2GB Compact Flash	•	• + min. 160GB HDD 2.5"	• + min. 160GB HDD 2.5"
DDRAM2	1GB	1GB	1GB
MPEG decoder	MPEG1/2 software decoding	MPEG1/2 software decoding	MPEG1/2 software decoding
Video interface	o	o	CVBS in / S-Video in
Network adapter Ethernet	1 x 100 1 x 1000	1 x 100 1 x 1000	1 x 100 1 x 1000
Serial interface			
RS232	1x	1x	1x
RS485	1x	1x	1x
USB 2.0	4x	4x	4x
Hardware Watchdog	•	•	•
Software: - TCP/IP license, ROMDOS license, GT2 software installed on FlashDisk	•	•	•

Controller options			
SSD option	Compact Flash 4/8/16GB	Compact Flash 4/8/16GB	Compact Flash 4/8/16GB
Stereo TV tuner	o	o	•
Wireless LAN	•	•	•
Fibre optic module	100Mbit (ST or SC connector)	100Mbit (ST or SC connector)	100Mbit (ST or SC connector)
Isolated RS 485	•	•	•

Controls	
User controls	Mains switch
Control of display functions	Via IR or USB keyboard or via network

Accessories
Operating manual (E/D), AC power cord (not for Outdoor Series), IR keyboard (option), IR remote control (option)



• yes o no

## Display with IPC II (integrated Industrial PC)

**Display supplied with integrated industrial PC, operating system and monitoring software.**

The consequent use of components from the Intel embedded roadmap secures lowest power consumption as well as optimum performance and reliability. It is perfectly suited to run all kinds of MS Windows based Digital Signage solutions.

IPC II version	IPC II Basic	IPC II Performance	IPC II High End
Processor	Intel Celeron® Dual-Core™ CPU T3100 1,90GHz	Intel® Core™ 2 Duo CPU P8400 2,26 GHz	Intel® Core™ 2 Quad CPU Q9000 2,00 GHz
HDD	min. 160GB HDD 2.5"	min. 160GB HDD 2.5"	min. 160GB HDD 2.5"
RAM	1GB (1x 1GB Single Channel)	2GB (2x 1GB Dual Channel)	4GB (2x 2GB Dual Channel)
Video memory	max. 384MB (DVMT 5.0)	max. 384MB (DVMT 5.0)	max. 384MB (DVMT 5.0)
MPEG decoder	MPEG1/2/4 hardware decoder	MPEG1/2/4 hardware decoder	MPEG1/2/4 hardware decoder
Network adapter Ethernet	1 x 100 1 x 1000	1 x 100 1 x 1000	1 x 100 1 x 1000
Audio	7.1 HD Audio Codec	7.1 HD Audio Codec	7.1 HD Audio Codec
Peripheral interface			
RS232	1x	1x	1x
USB 2.0	4x	4x	4x
Video outputs			
DVI-D	1x	1x	1x
HDMI	1x	1x	1x
VGA	1x	1x	1x
Hardware watchdog	•	•	•
Chipset	Intel® GM45 Express	Intel® GM45 Express	Intel® GM45 Express
Graphics core	Intel® GMA X4500MHD	Intel® GMA X4500MHD	Intel® GMA X4500MHD
Software (installed on HDD) Windows XP Embedded® and CONRAC System Monitor	•	•	•

IPC options			
HDD options			
Compact Flash 4/8/16GB	•	•	•
250/320GB HDD 2,5"	•	•	•
64/128GB SSD 2,5"	•	•	•
RAM upgrade 2/4GB	•	•	○
Network options			
WLAN	•	•	•
Fibre Optic Interface	•	•	•
Software options			
ConVis Client	•	•	•
Windows Embedded Standard 7 & CONRAC System Monitor	•	•	•

Controls	
User controls	Mains switch
Control of display functions	Via IR or USB keyboard or via network

Accessories
Operating manual (E/D), AC power cord (not for Outdoor Series), IR keyboard (option), IR remote control (option)

Connectors (internal for Outdoor Displays series)

• yes ○ no

## Display with AV6 electronics

### Monitor for connection to external signal sources

Displays in "monitor-only" configuration are equipped with a high-capacity electronics, connectors and controls. This platform offers various connectivity options for PCs, DVD players, set-top boxes, etc.. The high end signal processing provides the best possible picture quality independent of the input signal, both for digital and analogue signal sources.

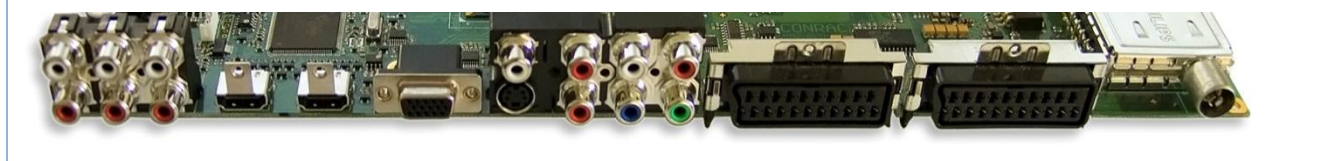
AV6 electronics	
Horizontal frequency:	15kHz – 90kHz
Vertical frequency:	49Hz – 90Hz
Pixelclock:	170MHz (typical)
Signal timing table:	640 x 400, 720 x 400, 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, <b>1366 x 768</b> , 1280 x 1024, 1600 x 1200, <b>1920 x 1080</b> 720i, 720p, 1080i (HDMI), 1080p (HDMI)

Controls	
User controls:	Mains switch
Control of display functions:	Via IR remote control On-screen display (OSD languages: English, French, German, Italian, Spanish, Portuguese, Dutch, Swedish, Norwegian, Finnish, Danish, Polish, Russian) RS 232

Accessories	
Operating manual (E/D), AC power cord (not for Outdoor Series), IR remote control, HDMI/DVI-D adapter cable (locked)	

Options	
TV-tuner	

Connectors (internal for Outdoor Displays series)		
TV antenna in:	Standard RF in	Option
AV input / output:	AV1 (RGB in, CVBS in/out, Audio L/R in/out), AV2 (YC in, CVBS in/out, Audio L/R in/out)	2 x Scart
Video input:	Y / CVBS (Y in or CVBS in), U in, V in	3 x Cinch
	S-Video in (Y/C)	Mini-DIN
Audio input:	CVBS/YUV R/L, S-Video R/L	4 x Cinch
PC input:	VGA	15pin HDSUB
Serial interface:	RS232 (full remote control and service)	9pin HDSUB
Digital PC/video interface:	Additional PC connector, digital video with HDCP (HDMI / DVI-D Adapter)	2 x HDMI (DVI-D)
PC audio input:	PC L/R	2 x Cinch
Audio output:	SUB (analog) subwoofer out, COAXIAL (digital) SPDIF out, Line out R/L	4 x Cinch



• yes ○ no