

TECHNICAL DATA

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

• yes ○ no

Diagonal Model	32" / 80cm 6232 PD	42" / 106cm 6242 PD	47" / 119cm 6247 PD
Display			
Active screen dimensions (h x v):	697 x 392mm	930 x 532mm	1039 x 584mm
Resolution:	1366 x 768	1920 x 1080	1920 x 1080
Viewing angle (typical):	178°	178°	178°
Contrast ratio (typical):	1000:1	1000:1	1000:1
Brightness (max.):	500 cd/m ²	700 cd/m ²	700 cd/m ²
Colour performance (full colour):	16.7 Mio colour simultaneously		
Environmental conditions			
Temperature:	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:	170W (typical)	180W (typical)	240W (typical)
Dimensions & Weight			
H x W x D / Weight kg (+/- 10%):	494 x 760 x 104 mm / 13.0 kg	577 x 970 x 127 mm / 20.0 kg	638 x 1098 x 123 mm / 28.5 kg
Sunlight Readable Panel Solution			
For high brightness environment	○	●	●
Approvals			
The integrator of the chassis is responsible for compliance of the required safety approvals.			
EMI/EMC :	EN55022 class A, EN55024, EN61000-3-2/-3		
Safety:	EN60950, CE		

SYSTEM SOLUTION

● yes ○ no

Display with integrated GEB8 (Graphic Engine Board)

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

CONRAC flat screen displays with integrated Graphic Engine Board (GEB) are intelligent terminals. Designed for 24/7 operation, this embedded solution offers an extremely reliable platform in networked applications. The Heavy Duty Graphic Engine is combined with a client software running under a real-time operating system ensuring an extremely high system uptime. Well engineered server solutions guarantee trouble free continuous operation of the entire system even under extreme conditions. For maximum safety, the real time operating systems runs on a compact flash card, avoiding failures, viruses and hackers. Remote monitor control allows monitoring and control of display settings such as stand-by, brightness and contrast, but also information such as temperature, maintenance status, etc.

GEB version:	Basic	Basic with HDD	Basic with HDD and Video interface
Processor - Intel Celeron M 1,5GHz	●	●	●
Memory - 2GB Compact Flash	●	● + min. 120GB HDD 2,5"	● + min. 120GB HDD 2,5"
DDRAM2 - 1GB	●	●	●
MPEG decoder - MPEG1/2 software decoding	●	●	●
Video interface	○	○	CVBS in / S-Video in
Network adapter Ethernet 10/100 BaseT	2x	2x	2x
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	●	●	●
CPU upgrade: - PentiumM 1,8 GHz	●	●	●
RAM upgrade 2GB	●	●	●
Stereo TV tuner	○	○	●
Wireless LAN	●	●	●
Fibre optic module - 100Mbit (ST or SC connector)	●	●	●
Isolated RS 485	●	●	●
Windows XP embedded (Compact Flash not required)	○	●	●

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

Accessories
Operating manual (E/D), AC power cord, IR keyboard (option), IR remote control (option)

Connectors (internal for Outdoor Displays series)



Connectors (optional):	Video interface: Stereo TV tuner: Fibre optic LAN:	CVBS in / S-Video in IEC ST or SC connector (100 Base Fx)
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PC SOLUTION

● yes ○ no

Display with IPC (integrated Industrial PC)

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

CONRAC flat screen displays with integrated Industrial PC (IPC) are intelligent terminals. Designed for 24/7 operation, this embedded solution offers an extremely reliable platform in networked applications. The consequent use of components from the Intel embedded roadmap secures lowest power consumption as well as optimum performance and reliability. The integrated high performance industrial PC is based on the latest low-power embedded technology. It is perfectly suited to run all kinds of MS Windows based Digital Signage solutions. Remote monitor control allows monitoring and control of display settings such as stand-by, brightness and contrast, but also information such as temperature, maintenance status, etc.

IPC version:	IPC Basic	IPC Performance	IPC High End
Processor:	Intel Celeron M 1,86 GHz	Intel Core Duo M 2,0 GHz	Intel Core 2 Duo M 2,16 GHz
Memory - min. 120GB HDD 2,5":	●	●	●
DDRAM2 - 1GB (2x 512MB Dual Channel):	●	●	2GB (2x 1GB Dual Channel)
Video memory - 224MB (DVMT 3.0):	●	●	●
MPEG decoder - MPEG1/2/4 software decoding:	●	●	●
Network adapter - Ethernet 10/100/1000 BaseT	3x	3x	3x
Audio - 7.1 HD Audio Codec:	●	●	●
Peripheral interface:			
RS232	1x	1x	1x
USB 2.0	4x	4x	4x
Firewire (IEEE1394a)	1x	1x	1x
Hardware watchdog:	●	●	●
Software - Windows XP Embedded, installed on HDD	●	●	●

IPC options

HDD option: Compact Flash 2/4/8/16GB 250GB HDD 2,5"	●	●	●
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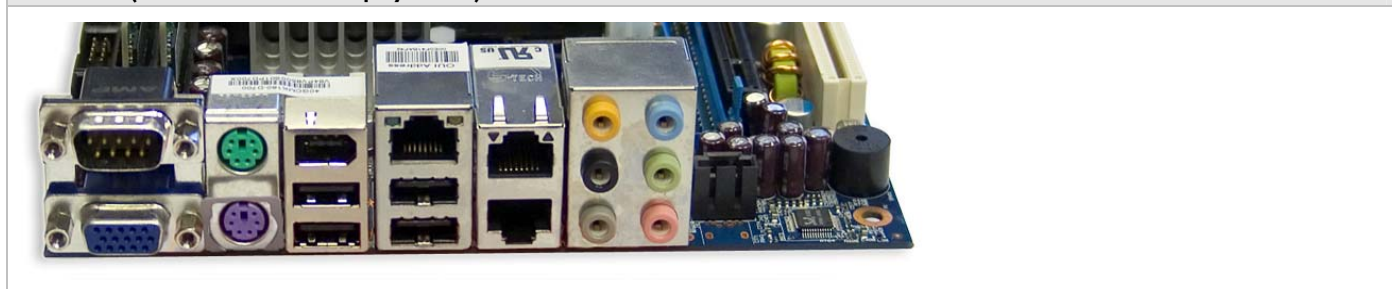
Controls

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

Accessories

Operating manual (E/D), AC power cord, IR keyboard (option), IR remote control (option)

Connectors (internal for Outdoor Displays series)



DISPLAY SOLUTION



PUBLIC DISPLAYS

INDOOR
BASIC

INDOOR
PROTECTED

INDOOR
NARROW BEZEL

OUTDOOR

OUTDOOR
CHASSIS

Display with AV6 electronics

Monitor for connection to external signal sources

CONRAC's PD-series professional flat screen displays in "monitor-only" configuration are equipped with a high-capacity electronics offering state of the art functions, 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 analog 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, 1366 x 768 , 1280 x 1024, 1600 x 1200, 1920 x 1080 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, 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

