



PUBLIC DISPLAY

with integrated controller



TECHNICAL DATA

Diagonal Model	22" 6022 PD
Display	
Panel type:	LCD/TFT
Size / diagonal:	22" – 55cm
Active screen dimensions (h x v):	473mm x 296mm
Resolution (pixel):	Max. 1680 x 1050
Format:	16:9
Colour performance:	16.7 Mio colour simultaneously (full colour)
Viewing angle:	170° typical
Contrast ratio (typical):	1000:1
Brightness:	300 cd/m2 (max.)
Safety / contrast enhancement panel:	optional
Environmental conditions	
Temperature (operating):	0° C - +40° C
Temperature (non-operating):	-20° C - +60° C
Humidity:	10% - 90% (non-condensing)
Power	
Power supply:	115V/230V AC, 50/60Hz +/-6%
Power consumption:	170W typical
Dimensions & Weight	
IP20 protected version (H x W x D) / kg:	351 x 533 x 107 mm / 10.5 kg +/-10%

Approvals - Options - Accessories - Colour - Controls - Connectors

Approvals	
EMI/EMC :	EN55022 class A, EN55024, EN61000-3-2/-3
Safety:	EN60950, CE
Options	
Wall mount bracket	
Ceiling mount bracket	
Tilt wall mount	
With safety/contrast enhancement panel	
IR keyboard	
With automotive power supply unit	
Supplied Accessories	
Operating Manual (E)	
AC power cord 2.5m	
Colour	
Standard colour cabinet/front panel:	RAL 9005
Controls	
User controls:	Mains switch
Control of display functions:	Via IR keyboard or via network
Connectors	
Connectors / Multimedia GT2 only:	Video interface: CVBS in / S-Video in Stereo TV tuner: IEC (optional)
Connectors / optional:	Fibre optic LAN: ST or SC connector (100 Base Fx)

Graphic Engine Board

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. 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.

The multimedia version features a MPEG hardware decoder allowing programmable cropping and positioning of full motion video and graphics overlay. All displays are delivered with GT2 software including all licenses.

	GEB 8 Basic		GEB 8 Multimedia	
	Basic GT2 (Standard GEB 8 configuration)	Basic Windows	Multimedia GT2	Multimedia Windows
Processor:	Intel Celeron M 1,5 GHz	Intel Celeron M 1,5 GHz	Intel Celeron M 1,5 GHz	Intel Celeron M 1,5 GHz
Memory:	1GB Compact Flash	40GB HDD 2,5"	1GB Compact Flash + 40GB HDD 2,5"	40GB HDD 2,5"
DDRAM2:	512MB	512MB	1 GB	1 GB
Video memory:	64MB (shared)	64MB (shared)	64MB (shared)	64MB (shared)
MPEG decoder:	MPEG1/2 software decoding	MPEG1/2 software decoding	MPEG1/2 software decoding	MPEG1/2 software decoding
Video interface:	o	o	CVBS in / S-Video in	CVBS in / S-Video in
Network adapter:	2 x Ethernet 10/100 BaseT	2 x Ethernet 10/100 BaseT	2 x Ethernet 10/100 BaseT	2 x Ethernet 10/100 BaseT
Serial interface:	1 x RS232, 1 x RS485, 4 x USB 2.0	1 x RS232, 1 x RS485, 4 x USB 2.0	1 x RS232, 1 x RS485, 4 x USB 2.0	1 x RS232, 1 x RS485, 4 x USB 2.0
Watchdog:	Hardware Watchdog	Hardware Watchdog	Hardware Watchdog	Hardware Watchdog
Software:	TCP/IP license, ROMDOS license, GT2 software installed on FlashDisk	Windows XP Embedded, installed on HDD	TCP/IP license, ROMDOS license, GT2 software installed on FlashDisk	Windows XP Embedded, installed on HDD
Controller options				
HDD option:	o	Compact Flash 2/4/8GB	Compact Flash 2/4/8GB	Compact Flash 2/4/8GB
CPU upgrade:	Pentium M 1,8 GHz	Pentium M 1,8 GHz	Pentium M 1,8 GHz	Pentium M 1,8 GHz
RAM upgrade:	1GB	1GB	o	o
Hardware MPEG decoder:	o	o	MPEG2/4 (H264)	MPEG2/4 (H264)
Real time video rotation module:	o	o	•	•
Stereo TV tuner:	o	o	•	•
Audio amplifier:	•	•	•	•
Wireless LAN:	•	•	•	•
Fibre optic module:	100 Mbit (ST or SC connectors)	100 Mbit (ST or SC connectors)	100 Mbit (ST or SC connectors)	100 Mbit (ST or SC connectors)
Isolated RS 485:	•	•	•	•



As an internationally operating company, CONRAC develops and produces High Performance Displays and Display Systems for professional and industrial applications.

We target OEM customers and project business in niche markets.

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