GECMA

technical datasheet

Explorer 22 Industrial Thin Client

22" Panel PC for industrial areas

- Client specific modular system

- Specified for use in industrial Thin Client applications

- Designed for roughest environment

- Highest dependability

- Windows 7™ - 32 bit Ultimate

- Non-wearing SSD

- AMD Athlon™ X2 Neo Dual Core L325

- 2GB RAM

The Explorer range of industrial-area panel PCs is ideally suited to surviving the harsh environments typically found in Pharmaceutical, Chemical, Petro Chemical, Oil & Gas and Off-shore manufacturing. In addition to GECMA's Challenger Remote Terminals the Explorer Panel PC range has an in-built PC to integrate all essential functionality.

Constructed as panel mounting modules the Explorer Industrial panel PCs can be integrated easily into our standard enclosure, a huge range of special enclosures, as well as existing enclosures, walls and cabinets.

Industry standard operating systems WIN 7™ 32-bit ultimate and Remote Desktop Protocol function will ensure integration into existing IT environments.

Designed for rough environment the Explorer panel PCs are rugged and durable by stainless steel housing, lowest power dissipation and use of exclusively passive mechanical components like passive cooling and non wearing-SSD.

The TFT display of the Explorer Industrial Thin Client model is available with touch-screen display options and a wide range of communication ports, like USB, PS/2 and Ethernet to interface further electrical equipment.

Requirement dependent operating devices will perfectly support local plant conditions. Customer can choose from a range of operating devices like Keyboard, Trackball, Joystick, Touchpad, Mouse and further variations in material, functionality and customization.

The flexible modular concept consisting of application specific components and the deliberate selection of high-quality materials allows the Explorer Industrial Thin Client panel PC to be used under the strictest of hygienic conditions as well as in aggressive production environments.

COOPER Crouse-Hinds

SPECIFICATION

ELECTRICAL

Processor:	AMD Athlon™ X2 Neo Dual Core L325, 1000MHz
Chipset:	AMD M690T Northbridge (graphics tunnel) ATI SB600 Southbridge (I/O hub)
DRAM:	1x 2048MB DDR2 667MHz
Graphics:	ATI Radeon X1200 graphics core
Screen size:	22 inch (55cm) - across diagonal
Screen type:	LCD thin film technology (TFT)
Resolution:	1680 x 1050 pixels (WSGA+)
Number of colours:	16.7 million
Brightness:	250 cd/m^2 typical
Contrast ratio:	1000:1 typical
Viewing angle:	160° typ. for CR $\geq$ 10
Mass storage	16 GB CF Card
Operating system	Windows 7™ 32Bit Ultimate Edition Preinstalled Remote Desktop Control
Power supply:	100 - 240V AC, 50/60Hz
Input Power:	50W (typ.) / 75W (max.)
Ethernet:	2 Ethernet ports (10/100/1000Mbits/s)
USB:	6 USB 2.0 ports on I/O area
PS/2:	Keyboard, Mouse

ENVIRONMENTAL

Temperature	Operating: 0°C ... 40°C (32°F ... 104°F) 10% ... 90% rel. Humidity (non - condensing)
	Storage: -20°C ... 70°C (-4°F ... 158°F) 5% ... 95% rel. Humidity (non - condensing)
Ingress protection	IP 65 (front side) , IP20 (rear side)

MECHANICAL

Housing material:	Stainless Steel V2A, EN std 1.4301, SAE grade 304 V4A, EN std 1.4404, SAE grade 316L (optional) Electro polishing (optional)
Weight	Approx. 8,5 kg (19 lb)
Dimensions (mm)	615.6 x 436.6 x 95 mm

CERTIFICATION

Standards	2004/108/EG, EMC-Directive EN55022:2006 +A1:2007 EN55024:1998 +A1:2001+A2:2003 EN61000-6-2:2005 EN61000-6-4:2007+A1:2011 EN61326-1:2006 2006/95/EG, Low Voltage Directive EN61010-1:2010
Approved for	CE

ORDERING INFORMATION

The Explorer 22 Industrial Thin Client is available with equipment options as defined below. For any optional features please contact our sales team.

Part No.: GEC-EH1 [22] [S] -A [E] [M] [F] 000

Screen size = **22**

Screen type:
S = Standard, no touch
F = Standard, foil touch

Keyboard:
E = English
F = French
G = German
Z = No keyboard*

Enclosure style:
F = Floor mounting on 1260mm pedestal
Z = No enclosure#

Pointing device:
J = Joystick
M = Mouse
P = Touch pad
T = Trackball
Z = No pointing device*

Standard system is AC power

* Note that option "**Z**" is no pointing device and no keyboard

Note that option "**Z**" cannot be combined with option* no pointing device and no keyboard = Order as display unit

ENCLOSURE OPTIONS

Ceiling mounting (on request)

Floor mounting (standard)

Wall mounting (on request)

Further enclosure options on request