

# 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.

## SPECIFICATION

### ELECTRICAL

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

### ENVIRONMENTAL

<b>Temperature</b>	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)
<b>Ingress protection</b>	IP 65 (front side) , IP20 (rear side)

### MECHANICAL

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

### CERTIFICATION

<b>Standards</b>	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
<b>Approved for</b>	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

The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.