



# Protégé 8

Affordable Professional in-wall XPe touchscreen

Very affordable elegance in a low-heat, high-performance smartscreen controller running the flexible Windows XPe. Protégé 8 offers a low heat, fast processor, flush-mount, acrylic bezel, capacitive touch configurable buttons and more. Protégé is ideal for any web or Win-based application where an in-wall location and touch access is essential. The robust solid state smartscreens enable unwavering stability and performance so make Protégé the backbone of your installations today!

## Protégé 8 (geode) Features:

- Embedded Geode LX-800 low-heat, fanless processor
- 8" High Bright **LED backlit** TFT LCD  
800x600 resolution (SVGA) 50,000 hr lamp  
Total power consumption is 2.745W
- Touch Panel: 4-wire resistive type
- ACPI 1.0 power saving compliant
- MPEG2 hardware accelerator integrated
- Gigabit Ethernet Controller
- Hard button configuration tool
- 2 speakers and 1 microphone on front bezel.
- Ports 1 x LAN, **2 x RS232**, 2 x USB2.0, 1 x PS/2,
- Power Supply: +13~24V full range DC input.
- Steel back box included
- Auto Power-On feature

## Standard XPe image:

- 1GB DOM / 512MB RAM
- 4 wire Resistive touch
- .Net 1.1, 2.0, 3.0, 3.5
- Internet Explorer 7.0
- Button Monitor 4.01
- Flash plugin 10.2
- Javascript plugin 1.3
- JVM SE
- Media Player 11
- User Management
- Screen Saver
- Windows Explorer
- QC Hardware test tool
- Remote Access

## Acrylic Bezel:

- 4 soft-touch sensing buttons on GPIO bus
- LED: RED off; GREEN on; ORANGE button press
- Microphone / 2 amplified speakers



Standard Button Icons



Screw type power Ethernet PS2 USB VGA Serial

## System

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| Processor  | Geode LX-800 500Mhz low heat, high performance processor            |
| Graphics   | Built-in Geode LX processor high performance 2D graphics controller |
| RAM Memory | DDR 400Mhz 512MB SO-DIMM                                            |
| DIMM Slots | 1 (max. 1Gigabyte)                                                  |
| USB        | 2 x USB 2.0                                                         |
| Audio      | Realtek ALC203                                                      |
| LAN        | Realtek RTL8110S-32 Gigabit Ethernet controller                     |
| IDE        | Onboard 1 x 44-pin IDE connectors                                   |
| GPIO       | 1 x Digital I/O 4GPI/4GPO                                           |
| Com Port   | 2 x COM ports; COM1/COM2                                            |
| Speaker    | 2 channel amplified speakers                                        |
| Microphone | Capacitor microphone                                                |

## Display and Touch Screen

|              |                                  |
|--------------|----------------------------------|
| Panel        | 8" SVGA TFT LCD                  |
| Backlight    | White LED, 50,000 hours lifetime |
| Resolution   | 800 x 600                        |
| Brightness   | 250 cd/M <sup>2</sup>            |
| Contrast     | 500:1                            |
| Chipset      | AMD Geode CS5536                 |
| Memory       | Shared system memory up to 64MB  |
| Touch Screen | Resistive 4-wire                 |

## Storage

|                    |                                                                           |
|--------------------|---------------------------------------------------------------------------|
| Solid State Memory | Industrial extended temperature 1GB DOM – expandable to 4GB               |
| Memory Card        | Industrial extended temperature Compact Flash Type II – expandable to 4GB |

## External Input/output

|                |                                           |
|----------------|-------------------------------------------|
| USB            | 2 x USB 2.0                               |
| COM            | COM: DB-9 x 2 (3 pin headers; COM1/COM2)  |
| LAN            | 1 x RJ-45 1 GB Ethernet (with indicators) |
| Keyboard/Mouse | Via USB                                   |

## Audio

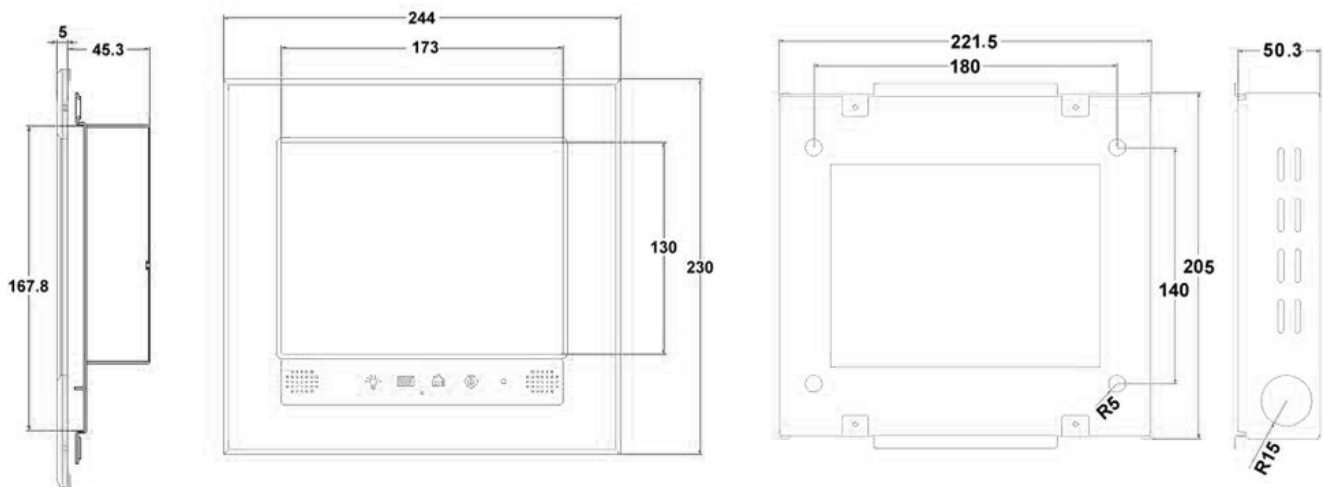
|             |                                        |
|-------------|----------------------------------------|
| Audio       | Line-in, Line-out MIC mini audio jacks |
| GPIO        | 4GPI/4GPO                              |
| Memory Card | 1 x Compact Flash card slot            |
| Power       | +13~+24VDC                             |
| Reset       | 1 x system reset button                |

## Peripherals

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| Touch sensitive buttons | 4 x customizable touch buttons, 1 x power switch button |
| Status LED indicator    | 1 x LED indicator (3 colours)                           |

## Mechanical and Environmental

|                         |                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Power Input             | AC 100V/240V, external power supply unit                                                                                              |
| Power consumption       | Min 7.4 - 12W max                                                                                                                     |
| Operating Temperature   | 0~60°C                                                                                                                                |
| Front Bezel material    | Clear Acrylic, white finish (custom colours available for large quantities)                                                           |
| Back Box and PC chassis | Mild steel                                                                                                                            |
| Relative Humidity       | 10%~90%, non-condensing                                                                                                               |
| Weight                  | 4 Kg (including packaging)                                                                                                            |
| Dimensions              | Front bezel: 244mm w x 230mm h x 5 mm d<br>PC chassis: 230mm w x 204.4mm h x 45.3 mm d<br>Back box: 221.5 mm w x 205 mm h x 50.3 mm d |



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