

# Protégé 4



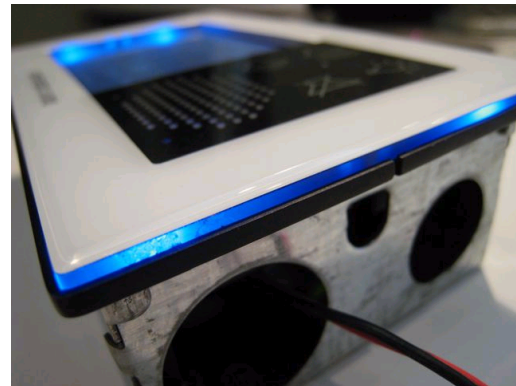
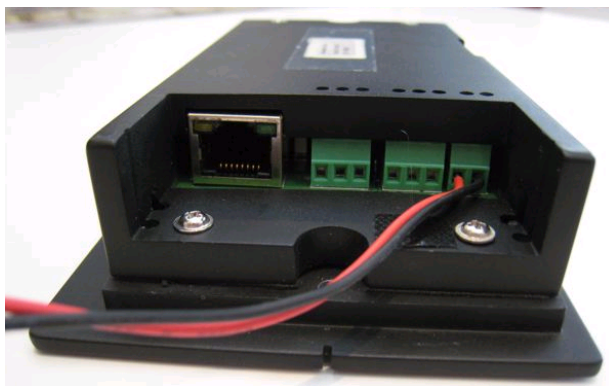
Introducing elegance in a compact, low-heat, high-performance smartscreen controller running the reliably embedded WinCE 5.0. Protégé 4 offers flush-mounting, acrylic bezel, capacitive soft-touch configurable buttons and more. Protégé is ideal for any web or Win-based application where an in-wall location 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 4 Features:

- Embedded 32-bit RISC, 336Mhz low-heat, high-performance fanless processor
- 3.5" High Bright TFT LCD with 320x240 resolution (QVGA) 50,000 hr lamp  
Total power consumption is 2.7W - **21% savings over CCFL, 5x the longevity**
- Touch Panel: 4-wire resistive type
- ACPI 1.0 power saving compliant
- MPEG2 hardware accelerator integrated
- 10/100 Ethernet Controller
- Speaker and microphone on front bezel.
- Ports 1 x LAN, **2 x RS232**, 1 x USB2.0
- Power Supply: 8~24V full range DC input. **PoE (power over Ethernet)** included.
- Steel back box dual gang complaint
- Auto Power-On feature

## Acrylic Bezel:

- 4 soft-touch sensing buttons on GPIO bus
- LED: RED when off; GREEN when on; ORANGE when any key pressed.
- Microphone / speaker



CE 5.0 embedded OS --- RS232 (3-wire) Ports --- Blue LED edge light pipe

## System

Processor	ARM RISC 32-bit 336Mhz low heat, high performance processor
Memory	NAND Flash 64Mb – 128Mb available
Memory	128Mb SDRAM
CF	1GB SD card interface - expandable to 2Gb
USB	1 Mini USB 1.1
LAN	10/100 Ethernet controller
Com Port	2 x COM ports; COM1/COM2
Speaker	1 amplified speaker
Microphone	Capacitor microphone

## Display and Touch Screen

Panel	3.5" 16.7M color TFT LCD
Backlight	6 White LED's, 50,000 hours lifetime
Resolution	320x240
Brightness	310 cd/M <sup>2</sup>
Touch Screen	Resistive 4-wire Surface hardness 3H

## Storage

Solid State Memory	Industrial extended temperature 64MB DOM – expandable to 128Mb
Memory Card	Industrial extended temperature SD card 1GB – expandable to 2GB

## External Input/output

USB	1 Mini USB 1.1
COM	2 RS232 ports (3 wire screw type)
LAN	1 x RJ-45 10/100 Ethernet (with indicators)
Keyboard/Mouse	Via USB, onscreen

## Audio

Audio	Line-in, Line-out MIC mini audio jacks
Memory Card	1 x SD card slot
Power	+8 - 24VDC or PoE. 2.7W nominal, 1.5W with backlight off
Reset	1 x system reset button

## Peripherals

Touch sensitive buttons	4 x customizable touch buttons, 1 x power switch button
Status LED indicator	2 color LED: Green is power indicator w/night-light mode; Red is touch indicator. Two-color programmable LED indicator (Blue-Red): software programmable. 4 surround blue LED: used as approaching indicator, also software programmable.

## Mechanical and Environmental

Power Input	AC 100V/240V, external power supply unit
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	___ Kg (including packaging)
Dimensions	Front bezel: PC chassis: Back box: 130.6mm x 41.4mm x 82mm

