



# Protégé 8a/w

Professional in-wall embedded touchscreens

Introducing affordable elegance touch-control in a high-performance smartscreen controller running the flexible Windows embedded OS. Protégé 8a/w offers a super fast Intel Atom processor, 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 offer a high-performance experience so make Protégé the backbone of your installations today!

## Protégé 8a/w Features:

- Intel 1.6Ghz low-heat fanless processor.
- 8.4" High Bright TFT LCD 800x600 resolution
- Touch Panel: 5-wire resistive type standard
- MPEG2 hardware accelerator integrated
- Gigabit Ethernet Controller
- 2 speakers, mic, 4 quick access **hard buttons**
- Ports 1 x LAN, **2 x RS232**, 2 x USB2.0, 1 x PS/2,
- Power Supply: 8~24V full range DC input.
- Steel back box included
- Auto Power-On feature

## Customizable Acrylic Bezel:

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

## Options:

- 2-Video input card w/remote
- WiFi networking
- Custom bezel color/logo/button icons, etc
- SATA 64GB HDD

## Protégé 8a

- Windows XPe
- 2GB DOM / 1 GB RAM
- 5 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

## Protégé 8w

- Windows 7 embedded
- 4GB DOM / 2GB RAM
- 5-wire resistive touch
- Tilt adjustable camera
- .Net 1.1, 2.0, 3.0, 3.5
- Internet Explorer 8.0
- Button Monitor 4.01
- Flash plugin 10.2
- Javascript plugin 1.3
- JVM SE
- Media Player 12
- User Management
- Screen Saver
- Windows Explorer
- QC Hardware test tool
- Remote Access



Pro8a



Pro8w

## System

Processor	Intel Atom 1.6Ghz low heat, high performance processor
Graphics	Integrated high performance 945GSE 2D graphics controller
Memory	1GB DOM (ROM) DDR2 667Mhz, 2GB SO-DIMM
USB	2 x USB 2.0
Audio	HD Audio
LAN	Realtek RTL8110S-32 Gigabit Ethernet controller
IDE	2x SATA 3GB/s, 1x Compact Flash Socket
PCI	1x PCIe x4 Slot (w/ 4x PCIe x1 speed)
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	8.4" SVGA TFT LCD
Resolution	800x600
Brightness	250 cd/M <sup>2</sup>
Contrast	500:1
Memory	Shared system memory up to 64MB
Touch Screen	Resistive 5-wire RoHS compliant

## Storage

Solid State Memory	Industrial extended temperature 4GB ROM
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	PS/2

## Audio

Audio	Line-in, Line-out MIC mini audio jacks
GPIO	4GPI/4GPO
Memory Card	1 x Compact Flash card slot
Power	1 x DC 8~24VDC
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
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	3.8 Kg (including packaging)
Dimensions	Front bezel - 244 x 230 x 5 mm PC chassis - 230 x 204.4 x 45.3 mm Back box - 216 x 221.4 x 50.3 mm

