

Protégé 15a

Professional in-wall XPe touchscreens

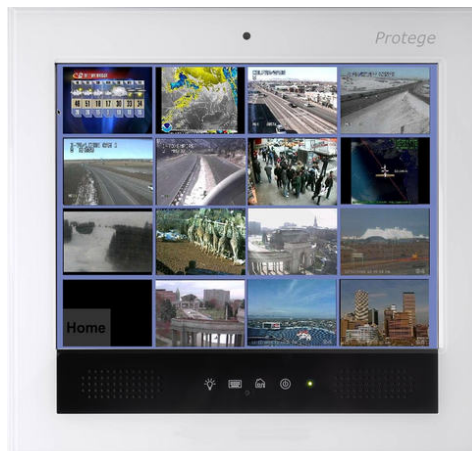
Introducing affordable elegance touch-control in a high-performance smartscreen controller running the flexible Win XPe OS. Protégé 15a offers a super fast Intel Atom processor, flush-mounting, acrylic bezel, capacitive soft-touch configurable buttons and more. Protégé is ideal for any web or Win-based application where an in-wall location and touch access is essential. The robust solid state smartscreens enable unwavering stability and offer a high-performance XPe experience so make Protégé the backbone of your installations today!

Protégé 15a Features:

- Intel 1.6Ghz low-heat, high-performance fanless processor.
- 15" High Bright TFT LCD with up to 1024x768 resolution, 16.2M colors
- Touch Panel: 5-wire resistive type
- 2GB DOM (disk on modules) 1GB RAM – standard configuration
- MPEG2 hardware accelerator integrated
- Gigabit Ethernet Controller
- 2 speakers and 1 microphone and **camera** on front bezel.
- 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

Acrylic Bezel:

- 4 soft-touch sensing buttons on GPIO bus
- LED: RED when off; GREEN when on; ORANGE when any key pressed.
- Microphone / 2 amplified speakers



Examples XPe applications

System

Processor	Intel Atom 1.6Ghz low heat, high performance processor
Graphics	Integrated high performance 945GSE 2D graphics controller
Memory	2GB DOM (ROM) DDR2 667Mhz 1GB SO-DIMM (up to 2 GB)
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 4GPIO/4GPO
Com Port	2 x COM ports; COM1/COM2
Camera	CMOS sensor 1024x768 30 FPS
Speaker	2 channel amplified speakers
Microphone	Capacitor microphone

Display and Touch Screen

Panel	15" SVGA TFT LCD
Resolution	1024x768
Brightness	350 cd/M ²
Contrast	400:1
Memory	Shared system memory up to 64MB
Touch Screen	Resistive 5-wire RoHS compliant

Storage

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

Audio

Audio	Line-in, Line-out MIC mini audio jacks
GPIO	4GPIO/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	6.8 Kg (including packaging)	
Dimensions	Front bezel: 378mm w x 360mm h x 6 mm d	14.88 x 14.17 x 0.23
	PC chassis: 353mm w x 331mm h x 53.7mm d	13.9 x 13.62 x 2.64
	Back box: 353mm w x 346mm h x 67mm d	13.9 x 13.62 x 2.64
	Wall opening 358mm w x 337mm h x 68mm d	14.1 x 13.27 x 2.65

