Protégé 6

Introducing control elegance in a compact, low-heat, high-performance touchscreen running the reliable embedded WinCE 5.0. The Protégé 6 offers a flush-mount, acrylic bezel, speaker, and capacitive configurable buttons.

Protégé is ideal for locked web or Windows-based application where an in-wall location and touch access is essential. PoE ready with steel backbox installation ease.

The robust solid state smartscreens enable unwavering stability and performance so make Protégé the backbone of your installations today!

Protégé 6 Features:
• Embedded 32-bit RISC, 336Mhz low-heat, high-performance fanless processor
• 5.7" High Bright TFT LCD with 640x480 resolution (VGA) 50,000 hr LED backlight lamp
    Total power consumption is 2.9W - **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: +12 ~ +48V full range DC input. **PoE (power over Ethernet)**.
• Includes steel back box
• Auto Power-On feature

Acrylic Bezel:
▪ 4 soft-touch sensing buttons on GPIO bus, Reset, Mic, Speaker
▪ LED: RED when off; GREEN when on; ORANGE when any key pressed.
▪ 2 LEDs - "POWER / Touch" and other is programmable as a "STATUS" indicator
▪ WinCE 6.0 – IE6, Flash plugin, DHTML, Javascript, RDP

CE 5.0 embedded OS + RS232 (3-wire) Ports + PoE

620 16th Street #301, Denver Colorado 80202   **BORG DISPLAYS**   720.961.4056   www.borgdisplays.com

System

Processor	ARM RISC 32-bit 336Mhz low heat, high performance processor
Memory	NAND Flash 128Mb (expandable up to 1GB)
Memory	128Mb SDRAM
CF	1GB SD card interface - expandable to 4GB (optional)
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	5.7" 16.7M color TFT LCD
Backlight	6 White LED's, 50,000 hours lifetime
Resolution	640x480 VGA
Brightness	310 cd/M^2
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 (optional)

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

Memory Card	1 x SD card slot
Power	+12~+48VDC or PoE. 4.8W nominal, 2.9W with backlight off
PSE	Conforming to 802.3af or 802.3at standard
Reset	1 x system reset button

Peripherals

Touch sensitive buttons	4 x customizable touch buttons, 1 x power switch button
Status LED indicator	2 LEDs: Green is power indicator w/night-light mode; Red is touch indicator. Two-color programmable LED indicator (Blue-Red): 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 colors available for large quantities)
Back Box and PC chassis	Mild steel
Relative Humidity	10%~90%, non-condensing
Weight	1.45 Kg (including packaging)
Dimensions	Front bezel:
	PC chassis:
	Back box: