USB Touch Controller

USB touch controller combined with an attachable glass touch panel may be effectively used for various applications. This module simplifies user interface and makes operation of various devices easier and more user friendly.

This model of touch controller is compatible with 4-wire resistive touch panels. Commutation with computer systems is performed through USB port, Plug and Play connection is also supported. The controller emulates all functions of mouse pointing device including right and left button functions.

Table 1 lists operational systems supported by the controller.

Table 1

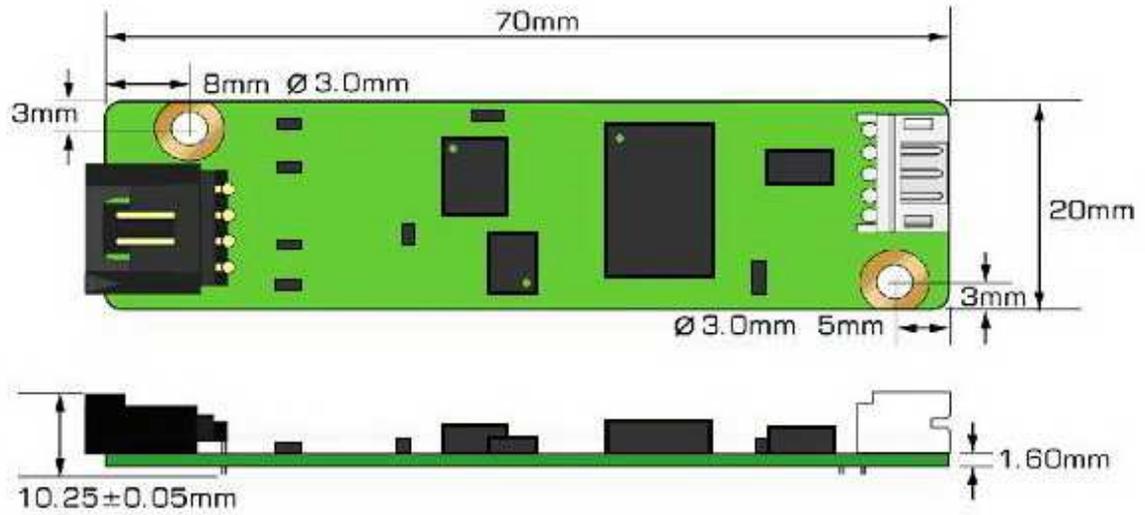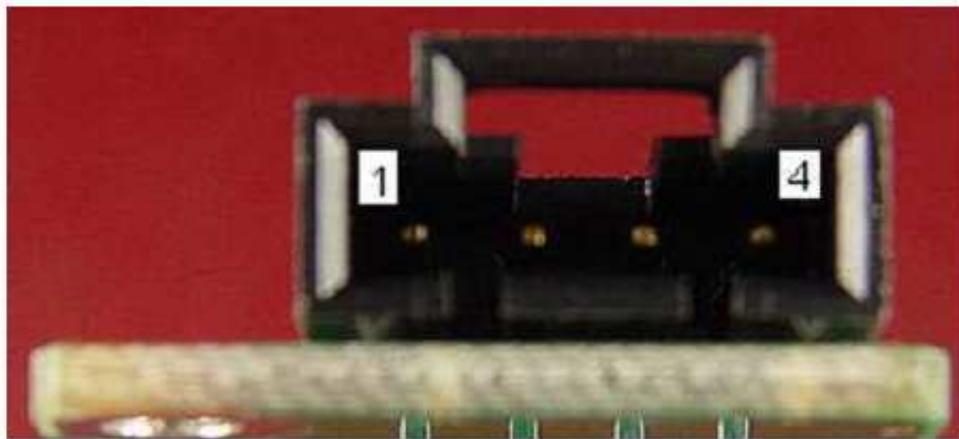| Operational system (OS)	OS Version
Windows	Windows XP/2000, 9x/ME Windows CE 2.12/3.0/.net/5.0/6.x Windows Embedded Windows XP Tablet PC edition Windows Vista
Linux	Mandrake (Mandrake 9.1/9.2/10) Mandriva 2005, Mandriva 2006) Red Hat (7.3/8.0/9.0) Fedora (Core I/II/III/IV/V/VI) Yellow Dog (3.X) SuSE (9.2/9.3/10/10.1) Ubuntu (5.1/6.06) Debian (3.1, Kernel 2.4.x/2.6.x)
Mac	Mac OS, Mac OS X (IBM, intelCPU)

touch panel **Figure 1** shows the controller *

Figure 1

Table 2 lists technical specifications and operational features of the device.

Table 2

Input power	**+5 V, 100 mA**
Working temperature	**-15 ºC to +70 ºC**
Storage temperature	**-40 ºC to +80 ºC**
Relative humidity	**up to 95% at 60 ºC**
Commutation channel	**USB1.1, USB2.0**
ADC resolution supported	**up to 2048 × 2048**
Response period	**up to 35 ms**
Reading rate	**up to 250 points per second**
Jamming immunity	**protected against electromagnetic radiation and ESD**
Touch panels supported	**4-wire resistive touch panels**
Panel resistance	**200 ~ 900 Ω**
Mean time between failures	**200.000 hours**

Figure 2 shows pinout of the socket, to which the touch panel is connected:

Figure 2