

**Control units**  
**TOUCH51/PCB**  
**Operator unit, Panel PC**



**6.23**

- Operator panel, Panel PC
- 10,4" LCD display, resolution 800x600, variably 1024x768, 262k colours
- Analog resistive touch screen
- Processor AMD Geode 500 MHz
- RAM up to 1GB
- Compact Flash from 512MB
- 2 x Ethernet 10/100 Mbit/s
- 2x COM, 4x USB 2.0, 1x VGA, Audio
- Designed for wall mounting
- Can be complemented with 2,5" hard disk



**Basic characteristic**

TOUCH/PCB is an operator panel with touch screen, designed for building applications. The panel consists of processor board with processor AMD Geode LX800 with 500MHz clock frequency and with integrated peripheries (USB, LAN, graphic card). Basic configuration of the unit is equipped with RAM, power source, 10.4" LCD colour display, 800x600 resolution, touch screen and CF holder. The unit can be completed with 2,5" hard disk, display with 1024x768 resolution, two speakers and microphone. Passive cooling of the processor is an indisputable benefit, providing great lifetime.

TOUCH51/PCB is placed into a metal cover with protection IP20. On the side are connectors for following interface: 2x ETHERNET, 1x RS232, 1x RS232/422/485 and 2x USB. There are other 2 USB connectors on the front of the panel. TOUCH51/PCB is built into metal case, which is wall-inbuilt. The case has break-out lames, so that the cables can be brought. After the mounting and bringing the cables, the panel is provided with a metal or wooden frame.

TOUCH51/PCB is supplied with operation system (XP Embedded) or without.

**Technical data**

<b>Power supply</b>	15-35VDC	<b>Protection</b>	IP20 from side of the panel
<b>Input</b>	Max. 20W	<b>Environment</b>	Non air-conditioned, without aggressive gasses and steam
	with connected 2,5" HD	<b>Ambient temperature</b>	0 - 35 °C
<b>Processor</b>	AMD Geode LX800 / 500MHz	<b>Mounting</b>	Vertical
<b>Operating memory</b>	256 MB to 1GB DDR 400 MHz	<b>Atmospheric pressure</b>	80 - 107 kPa
<b>Compact Flash</b>	From 512 MB	<b>Operating</b>	Continuous
<b>Hard disk</b>	2,5", 80GB, to special order	<b>Relative humidity</b>	40 - 85 %, non-condensing
<b>Operating system</b>	without OS, XP Embedded	<b>Dimensions of TERM</b>	273 x 222 x 77mm
<b>Interface</b>	1 x RS 232	<b>Weight</b>	3 kg
	1 x RS 232/422/485	<b>Mounting case</b>	
	4 x USB 2.0	<b>dimensions</b>	269 x 222 x 80
	2 x Ethernet 10/100 Mbit/s	<b>purpose</b>	wall mounting
	1x PS2 - keyboard + mouse	<b>Covering frame</b>	
	VGA external output	<b>material</b>	wood
	Audio	<b>dimensions</b>	278 x 227 x 10
	<i>Inside:</i>	<b>material</b>	aluminium
	Centronics (LPT)	<b>dimensions</b>	278 x 227 x 6
	PC104 bus		

**Display**

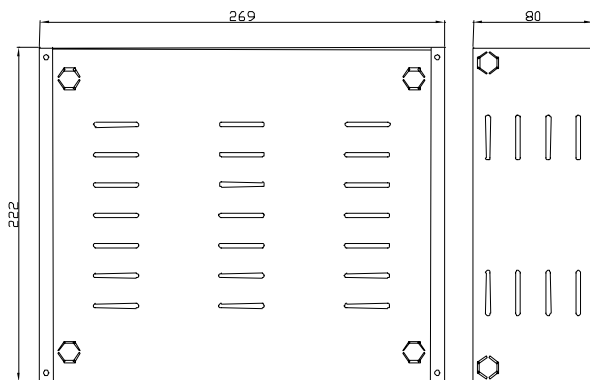
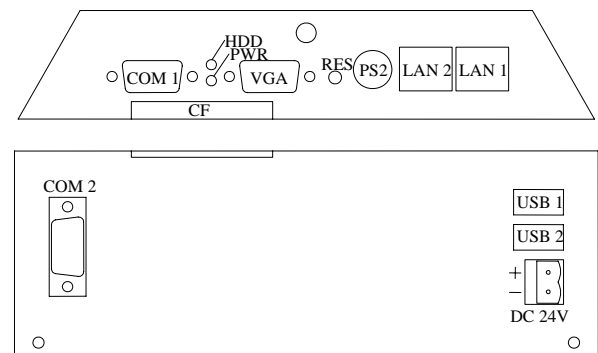
LCD 10,4" with 2 x CCFL backlight

Property	Resolution	
	800x600	1024x768
observation angle		
-horizontal	140°	120°
-vertical	100°	105°
contrast	500:1	300:1
brightness	320 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>

discharge lamps lifetime 50 000 h

**Touch screen**

Analog resistant technology,  
durability 1 000 000 presses at a  
single point,  
Surface hardness higher than 4H  
Resistant against drinks, oils,  
detergents, dissolvent, petrol,  
diesel, alcohol, acetone, toluene,  
concentrated , hydrochloric acid,  
etc.

**Dimensions of mounting case****Panel for peripheries connection****Order data**

TOUCH51/PCB is standardly supplied with processor AMD Geode / 500 MHz, operating memory 256MB RAM.

In order needs to be specified:

- Other size of RAM, Compact Flash and HD size
- Operating system Windows<sup>®</sup> XP Professional, Home, XP Embedded
- Display resolution
- Type of covering frame

At a special order the TOUCH51/PCB can be equipped with two (inbuilt) speakers and microphone (inbuilt too).