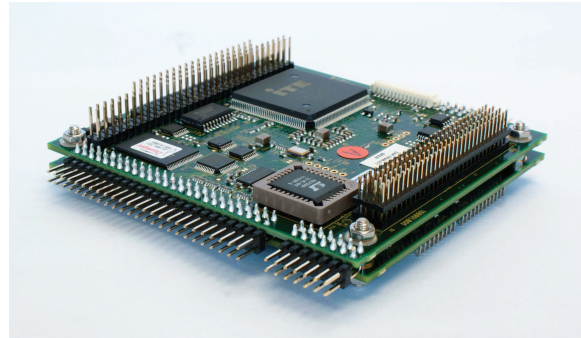
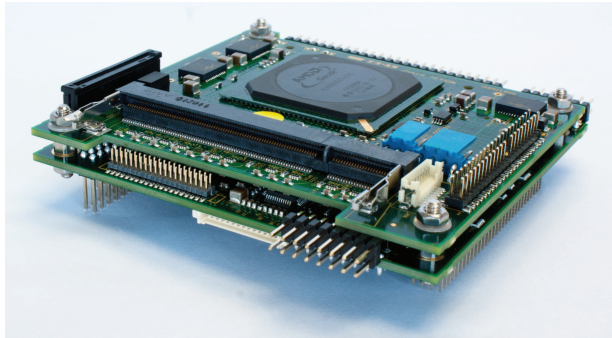


# TP600

## highly integrated, high performance PC/104 + module



The TP600 is based on the AMD Geode™ LX800 @ 0.9W CPU providing a highly integrated, Pentium-Class processor module. Its high speed and extremely low power consumption make it ideal for use in processor intensive applications requiring rugged construction and short time to market.

The TP600 is specifically designed for use in an embedded environment. Measuring just 90x95mm and offering all the functions of a normal PC and more - it is ideal for use where space is restricted. Its PC software compatibility ensures easy program development.

### Features

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The TP600 can support flat panel displays and CRTs simultaneously and supports a wide range of resolutions across both formats. Connectors for both PC/104 and PC/104-Plus supporting the PC 16bit ISA and 32bit PCI bus. The connectors allow the stacking of multiple peripheral boards.

### Application

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The TP600 uses the Geode LX800 enhanced processor and achieves a typical power consumption of 0.9A at 5V when running at 500MHz. TP600 offers fanless operation in many systems.

The TP600 is a mighty powerhouse packed into a tiny space. Operating at 500MHz TP600 is designed to deliver processing power in a small package. Direct support for industry standard 10/100 Base-T Ethernet networking is available.

### OS Support

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The TP600 is designed, manufactured and supported in the United Kingdom. It has been engineered specifically for high performance embedded applications. TP600 can offer a completely solid state solution which combined with its amazingly low power consumption gives high reliability in the toughest environments.

The TP600 supports many PC compatible X86 operating systems such as: Microsoft's Windows XP Embedded, Linux, DOS, QNX, and VxWorks

# TP600

## Features

<b>Processor</b>	AMD Geode™ LX800 @ 0.9W CPU Default clock speed of 500MHz
<b>Memory</b>	DDR SODIMM Socket supporting up to 1GB RAM
<b>Storage</b>	IDE interface allows for connection to HDDs, Compact Flash cards and other IDE sevicees 2MByte FFS for DOS
<b>Display</b>	Analog VGA CRT and LCD monitors at up to 1280 x 1024. TFT displays of up to 1024 x 768, with up to 8 bits each of RGB. TFT interface includes backlight control signals
<b>USB</b>	Two USB 1.1 host ports
<b>PS/2</b>	PS/2 Keyboard and Mouse ports
<b>Serial</b>	Three full-function RS232 ports with COM2 configurable for full or half duplex RS485 One Tx-Rx only CMOS-level port
<b>Parellel</b>	PC compatible bi-directional parallel port
<b>Ethernet</b>	10/100 Base-T Ethernet
<b>Audio</b>	An AC97 codec provides microphone and stereo line inputs and line outputs
<b>Analog IO</b>	A four channel 12-bit ADC with a 0-5V input range
<b>Expansion</b>	Up to four PCI-104 or PC/104-Plus expansion Boards may be added Floppy Disk controller via 26w FFC
<b>Real Time Clock</b>	Battery backed Real Time Clock
<b>Serial EEPROM</b>	512 bytes for storing setup information
<b>Watchdog</b>	Hardware watchdog timer
<b>Power</b>	Single 3.3V supply at 250mA (typ) at full speed
<b>Mechanical</b>	90mm x 95mm form factor
<b>Environmental</b>	0 to +70° C operating temperature range