

3.4 CPU boards 855GME (XTX)

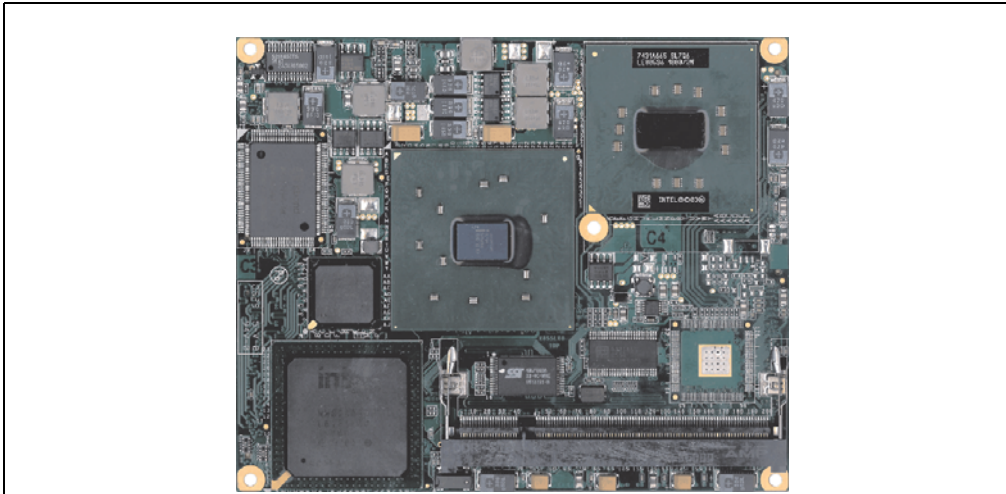


Figure 59: CPU boards 855GME (XTX)

Information:

The following characteristics, features, and limit values only apply to this individual component and can deviate from those for the entire device. For the entire device in which this individual component is used, refer to the data given specifically for the entire device.

Features	5PC600.X855-00	5PC600.X855-01	5PC600.X855-02	5PC600.X855-03	5PC600.X855-04	5PC600.X855-05
Boot loader / Operating system	BIOS AMI (see BIOS section "855GME (XTX) BIOS description" on page 446)					
Processor Architectures	0.13 µm	0.13 µm	0.90 nm	0.90 nm	0.13 µm	0.13 µm
Type	Intel Pentium M 1.1 GHz	Intel Pentium M 1.6 GHz	Intel Pentium M 1.4 GHz	Intel Pentium M 1.8 GHz	Intel Celeron M 600 MHz	Intel Celeron M 1000 MHz
Expanded command set	MMX technology, streaming SIMD extension 2	MMX technology, streaming SIMD extension 2	MMX technology, streaming SIMD extension 2	MMX technology, streaming SIMD extension 2	MMX technology, streaming SIMD extension 2	MMX technology, streaming SIMD extension 2
L1 cache	32 KB	32 KB	32 KB	32 KB	32 KB	32 KB
L2 cache	1 MB	1 MB	2 MB	2 MB	512 KB	512 KB
Floating Point Unit (FPU)	Yes	Yes	Yes	Yes	Yes	Yes
Chipset	Intel 82855GME (GMHC) Intel 82801DB (ICH4)					
Real-time clock (RTC)	Yes					
Battery-buffered Accuracy	At 25°C typ. 12 ppm (1 second) ¹⁾ per day					

Table 77: Technical data - CPU boards 855GME (XTX)

Technical data • Individual components

Features	5PC600.X855-00	5PC600.X855-01	5PC600.X855-02	5PC600.X855-03	5PC600.X855-04	5PC600.X855-05
Front side bus	400 Mhz					
IDE ports	2 IDE ports, UDMA 100					
Memory Type Quantity Socket	DDRAM Max. 1 GB SO-DIMM 200-pin					
Graphics Controller Memory Color depth	Intel Extreme Graphics 2 (integrated in the chipset) Up to 64 MB shared memory (reserved in the main memory) Max. 32 bit					

Table 77: Technical data - CPU boards 855GME (XTX) (cont.)

1) At max. specified ambient temperature: typ. 58 ppm (5 seconds) - worst-case 220 ppm (19 seconds).

Driver support

In order for the CPU board with the Intel 82855GME chipset to work properly, it is necessary to install the Intel chipset driver (e.g. special USB driver) and the graphics chip. They can be downloaded from the download area on the B&R homepage (www.br-automation.com).