



Asus Mainboard P7P55D-E

Hersteller: Asus
Herstellerbez.: P7P55D-E
Verpackung: Bulk

Teilenummer: 20180079

CPU

Intel® Socket 1156 Core™ i7 Processor/Core™ i5 Processor/Core™ i3 Processor
Supports Intel® Turbo Boost Technology

Chipset

Intel P55 Express Chipset

Memory

4 x DIMM, Max. 16 GB, DDR3 2200(O.C.)* /1600/1333/1066 Non-ECC, Un-buffered Memory
Dual Channel memory architecture
Supports Intel® Extreme Memory Profile (XMP)

Slots

1 x PCIe 2.0 x16 (single at x16)
1 x PCI Express 2.0 x16 slots (@x4 mode, 2.5GT/s, black slot)
3 x PCI Express 2.0 x1 (2.5GT/s, gray slots)
2 x PCI

Storage

Intel® P55 Express Chipset built-in: 6 xSATA 3.0 Gb/s ports, Intel Matrix Storage Technology Support RAID 0,1,5,10
JMicron® JMB363 PATA and SATA controller: 1 xUltraDMA 133/100/66 for up to 2 PATA devices, 1 xExternal SATA 3Gb/s port, 1 xSATA 3Gb/s port (black)
Marvell® SATA 6Gb/s controller: 2 x SATA 6.0 Gb/s ports (gray)

Audio

VIA® VT1828S 8-Channel High Definition Audio CODEC
- Absolute Pitch BD192/24
- DTS Surround Sensation UltraPC
- BD audio layer Content Protection
- Supports Jack-Detection, Multi-streaming, Front Panel Jack-Retasking
- Optical S/PDIF out ports at back I/O

USB

NEC® USB 3.0 controller:
- 2 x USB 3.0 ports (blue; at back panel)
Intel® P55 Express Chipset:
- 12 x USB 2.0/1.1 ports (6 ports at mid-board, 6 ports at back panel)



Asus Unique Features

ASUS IO Level UP for Ultra Performance:

- True USB 3.0 or True SATA 6Gb/s Support

ASUS Xtreme Design:

ASUS Hybrid Processor - TurboV EVO

- Auto Tuning, TurboV and Turbo Key 16 Hybrid Phase

- T.Probe Technology for Active Cooling

- 12+2 Phase Power Design

*16 Hybrid Phase = 12+2 Phase x T.Probe

ASUS Hybrid OS - Express Gate

ASUS Xtreme Design

ASUS Exclusive Features

- MemOK!

- ASUS EPU

ASUS Quiet Thermal Solution

- ASUS Fanless Design: Stylish Heat-sink solution

- ASUS Fanless Design: Stack Cool 3

- ASUS Fan Xpert

ASUS Crystal Sound

- ASUS Noise Filter

ASUS EZ DIY

- ASUS Q-Shield

- ASUS Q-Connector

- ASUS O.C. Profile

- ASUS CrashFree BIOS 3

- ASUS EZ Flash 2

- ASUS MyLogo 2

- Multi-language BIOS

ASUS Q-Design:

- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)

- ASUS Q-Slot

- ASUS Q-DIMM

Overclocking Features

Precision Tweaker 2:

- vCore: Adjustable CPU voltage at 0.00625V increment

- vIMC: 97-step IMC voltage control

- vDRAM Bus: 104-step DRAM voltage control

- vPCH: 36-step chipset voltage control

- vCPU_PLL: 56-step reference voltage control

SFS (Stepless Frequency Selection):

- PCI Express frequency tuning from 100MHz up to 200MHz at 1MHz increment

- Internal Base Clock tuning from 80MHz up to 500MHz at 1MHz increment

Overclocking Protection:

- ASUS C.P.R.(CPU Parameter Recall))



Back Panel I/O Ports

- 1 x PS/2 mouse port (Green)
- 1 x PS/2 Keyboard (Purple)
- 6 x USB 2.0/1.1
- 1 x S/PDIF Out (Optical)
- 1 x IEEE 1394a
- 1 x External SATA 3Gb/s
- 1 x LAN(RJ45) port
- 2 x USB 3.0/2.0 ports (blue)
- 8 -Channel Audio I/O

Internal I/O Connectors

- 3 x USB connectors support additional 6 USB ports
- 1 x IDE connector
- 1 x IEEE 1394a connector
- 1 x CPU Fan connector
- 1 x Power Fan connector
- 1 x COM port connector
- 2 x SATA 6.0Gb/s connectors (gray)
- 7 x SATA 3.0Gb/s connectors (blue from P55, black from JMB363)
- 2 x Chassis Fan connector (1x4-pin, 1x3-pin)
- Front panel audio connector
- 1 x S/PDIF Out Header
- CD audio in
- 24-pin ATX Power connector
- 1 x 8-pin ATX 12V Power connector
- System Panel(Q-Connector)
- 1 x MemOK! button
- 1 x IO Level UP button

BIOS

16 Mb Flash ROM , AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI 2.0a, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3

Manageability

WfM 2.0, DMI 2.0, WOL by PME, WOR by PME, PXE

Form Factor

ATX Form Factor
12 inch x 9.6 inch (30.5 cm x 24.4 cm)