



CB6263 | Compact Industrial Motherboard

Beckhoff has expanded the Industrial Motherboard line of business into an independent product segment, with in-house board development, design and production. In addition, the own motherboard and BIOS development initiatives enable Beckhoff to respond more quickly to new technologies in the PC market and to customer-specific requirements.

Technical data

General data	
CPU	Intel® Atom™ E38xx, System on a Chip (SoC)
Socket	–
Chipset	Intel® Atom™ E38xx
Super IO1	–
BIOS	AMI® Aptio V
BIOS chip	128 Mbit SPI-Flash
FTPM	yes (2.0)
Watchdog	yes
Memory	
Type	on-board 1.35 V/DDR3L
Slots	–
Max. memory	4 GB
Max. speed	1333 MHz
Graphic	
Controller	CPU integrated
Video BIOS	Intel® Extreme / GOP driver
Memory	512 MB DVMT
HDMI resolution	1920 x 1080 @ 60 Hz
DP resolution	2560 x 1600 @ 60 Hz
DVI resolution	1920 x 1200 @ 60 Hz
LAN	
LAN1 controller	Intel® i210
LAN1	10/100/1000 MB/s
LAN2 controller	Intel® i210
LAN2	10/100/1000 MB/s
LAN3 controller	–
LAN3	–
LAN4 controller	–
LAN4	–
Audio	
Controller and codec	–

Support for 2/6/8 channels (2.0/5.1/7.1)	–
Analog input	–
Analog output Line/Mono out	–
Digital input/output	–

Internal interfaces	
PCI32	–
Mini PCI slot	–
PCIe (manufacturer dependency)	2 x PCIe x1 (2.0), adapter cards required
PCIe x16	–
PCIe x4	–
PCIe x1	–
SATA (total)	2 x (1 x M.2, 1 x BaseCon)
SATA (6 GB/s)	–
SATA (3 GB/s)	2 x
SATA RAID	–
USB 3.0	–
USB 2.0	3 x (1 x M.2, 2 x BaseCon)
Serial interface	–

External interfaces	
PS/2 keyboard/mouse	–
USB 3.0	1 x
USB 2.0	–
LAN	2 x
DVI-I	–
DVI-D	–
DisplayPort	1 x
Serial interface	–
Audio	–

Power supply	
Supply voltage	24 V

Cooling	
Cooling mode	passive/active
Operating temperature	0...+60 °C
Extended temperature	on request
Storage temperature	-20...+70 °C

Dimensions	
Format	compact motherboard
Dimensions (W x H x D)	75 mm x 18.3 mm x 75 mm