



B-ONE 300 D

fanless

Industrial Automation - Products & Configurations

B-ONE 300 D BASIC SYSTEM		
Basic configuration	Intel ATOM 1,1GHz (Z510P) • 512 MB RAM • VGA video interface • no HDD/SSD • fanless • external power supply 230V AC • 12 months warranty	
		↓
PROCESSOR	Intel ATOM 1,1GHz (Z510P) • FSB 400MHz, 512KB L2 cache • Hyper-Threading Technology • Soldered on board	
	Intel ATOM 1,6GHz (Z530P) • FSB 533MHz, 512KB L2 cache • Hyper-Threading Technology • Soldered on board	
		↓
RAM MEMORY	512 MB • 1 SODIMM module DDR2 PC5300	
	1 GB • 1 SODIMM module DDR2 PC6400	
	2 GB • 1 SODIMM module DDR2 PC6400	
		↓
POWER SUPPLY	External power supply 230V AC --> 24V DC with Schuko plug	
		↓
VIDEO INTERFACE	VGA	
	DVI-I Single Link	
CUSTOM VARIANTS FOR BASIC SYSTEM		
		↓
EXPANSION BUS	2 x MiniPCI slots on board for fieldbus cards > note 1	
OPTIONS		
		↓
SSD / HDD 2,5"	SSD 2,5" SATA installation kit with cables (SSD not included)	
	SSD 2,5" SATA - MLC	
	HDD 2,5" SATA installation kit with cables (HDD not included)	
	HDD 320GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format • 24x7	
	HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format • 24x7	
	HDD 320GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format	
	HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format	
COMPACT FLASH	Compact Flash UDMA (SLC)	
SERIAL and USB PORTS	1 x RS232/422/485 (DB15F) + 2 x USB 2.0 board > note 2	
	1 x RS232/422/485 (DB15F) optoisolated + 2 x USB 2.0 board > note 2	
		↓
WARRANTY EXTENSION	Warranty extension to 18 months on basic system and its variants	
	Warranty extension to 24 months on basic system and its variants	
	Warranty extension to 36 months on basic system and its variants	
NOTES		
1: Depending on quantities, it could be possible to consider requests of configuration with 2 MiniPCI expansion slots. Delivering time is about 3 months due to motherboard production process with soldered components. 2: SERIAL PORT + USB can be supplied at time of order only - THEY CANNOT BE INSTALLED AFTERWARDS		

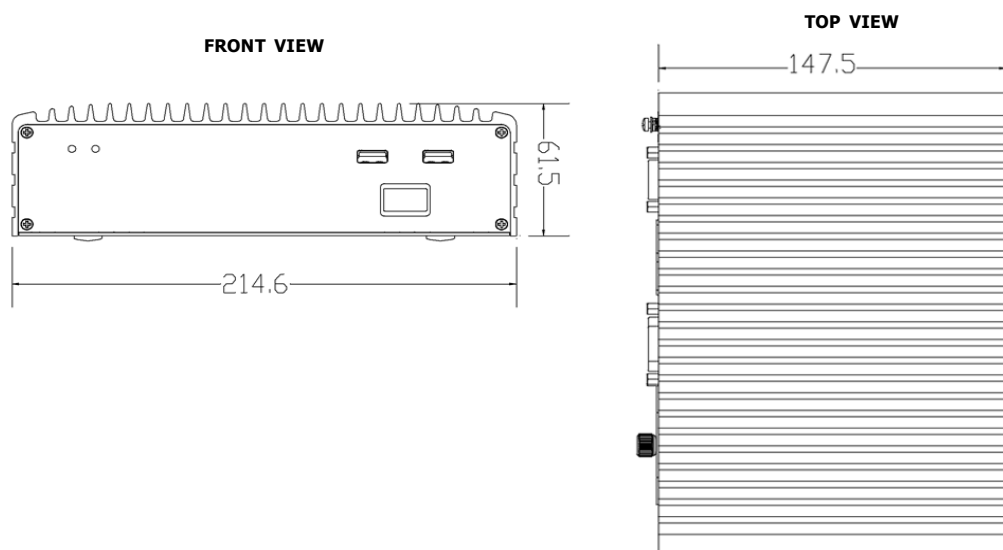


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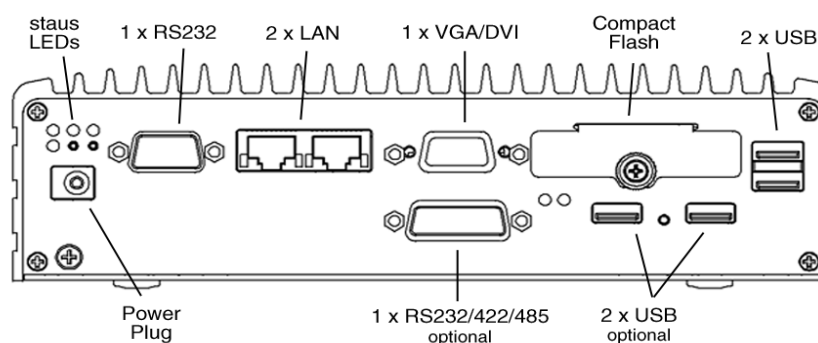
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TECHNICAL SPECIFICATIONS	
Case	Desktop
Overall dimensions & weight	See details on the related section
Power supply	External power supply 230V AC → 24V DC • Jack 3.5mm • Input voltage: 18÷36 V DC • autoranging
Motherboard	"All-In-One" type • ASEM 972 with watchdog timer, hardware system for board temperature and voltages control
Watch dog	Time programmable
Intel platform	Processor Intel® Atom™ Z510P (1,1GHz) • Intel® Atom™ Z530P (1,6GHz) Chipset Intel® US15WP
Operating System	Microsoft Windows 7 Pro/Ultimate 32 bit • Windows XP Pro 32bit • O.S. certified by ASEM Microsoft Windows Embedded Standard 7E/7P 32bit • Windows Embedded Standard 2009 (Xpe SP3) 32bit • Windows Xpe SP2 • Microsoft Windows CE 6.0 Pro Other operating systems, such as Linux, VxWorks, QNX, etc., have not been certified by ASEM but they are reasonably supported by the Intel platform after verification of compatibility O.S. not supported by Intel platform Microsoft Win64 • Microsoft Windows 2000 / 98 / NT
Video controller	GMA500 integrated in Intel® US15WP chip
Video RAM	shared • 1MB, 4MB, 8MB system selectable
System memory	DDR2 type • 1 SODIMM module • PC6400 • min 512MB • max 2GB
HDD/SSD interfaces	1 x ATA/66 Master, Slave (CF slot dedicated) • 1 x SATA 1 1,5Gb/s Master/Slave
Compact Flash Slots	1 x Slot Compact Flash Type II integrated on board • external access (after cover removal)
Frontal access interfaces	2 x USB 2.0 (Type A)
Rear access interfaces	2 x USB 2.0 (Type A) • 1 x RS-232 (DB9M) • 1 x VGA (DB15F - max resolution 1280x1024) / 1 x DVI (DVI-I - max resolution 1600x1200) • 2 x Ethernet 10/100/1000 Mbps (RJ45) with Wake-on-LAN optional: 2 x USB 2.0 (Type A) • 1 x RS232/422/485 (DB15M)
Environmental specifications	Operating temperature: 0°C ÷ +50°C, 0°C ÷ +45°C with 24x7 HDD, +5°C ÷ +40°C with standard HDD • Storage temperature: -20° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1)
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)



CONNECTORS VIEW



Weight 1,5 Kg