



BM3300

fanless

Industrial Automation - Products & Configurations

BM3300 BASIC SYSTEM		POWER [W]
Basic Configuration	Intel® Celeron® dual core 3955U 2,00 GHz • 4GB RAM • fanless • DVI-D video output • 24V DC isolated power supply • UBIQUITY BASIC Win32 runtime • 12 month warranty	30

BM3300 RVL BASIC SYSTEM		POWER [W]
Basic Configuration	Intel® Celeron® dual core 3955U 2,00 GHz • 4GB RAM • fanless • Remote Video Link, remotation (TX) of DVI-D video signals and USB 2.0 up to 100 m • 24V DC isolated power supply • UBIQUITY BASIC Win32 runtime • 12 months warranty	34

	-	RVL		POWER [W]
REMOTE ASSISTANCE	•	•	ASEM UBIQUITY BASIC Win32 runtime	
	•	•		
PROCESSOR	•	•	Intel® Celeron® 3955U • 2,00 GHz, 2MB smart cache • 2 cores, 2 threads • Soldered on-board	
	•	•	Intel® Core® i3-6100U • 2,30 GHz, 3MB smart cache • 2 cores, 4 threads • Soldered on-board	+ 0
	•	•	Intel® Core® i5-6300U • 2,40 GHz (3,00 GHz Turbo), 3MB smart cache • 2 cores, 4 threads • Soldered on-board	+ 13
	•	•	Intel® Core® i7-6600U • 2,60 GHz (3,40 GHz Turbo), 4MB smart cache • 2 cores, 4 threads • Soldered on-board	+ 13
RAM MEMORY	•	•	4 GB • 1 module SODIMM DDR4-2133	
	•	•	8 GB • 1 module SODIMM DDR4-2133	+ 1
	•	•	16 GB • 1 module SODIMM DDR4-2133	+ 3
INTERNAL PSU	•	•	Without UPS (uninterruptible power supply)	
	•	•	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 1	+ 1
EXTERNAL MONITOR OUTPUT	•	•	DVI-D (Single Link) video interface for external monitor • Max resolution 1920x1080 FullHD	
	•	•	Remote Video Link integrated • remotation up to 100m of DVI-D video signals and USB 2.0 • without cables > note 2	

OPTIONS				POWER [W]
TPM	•	•	TPM - Trusted Platform Module	0
SSD mSATA	•	•	mSATA SSD SATA MLC on onboard connector	2
SSD 2,5" > note 3	•	•	2,5" SSD/HDD SATA installation kit (SSD/HDD not included) • with shock absorber	-
	•	•	2,5" SSD SATA MLC	5
	•	•	2,5" HDD SATA 24x7	6
CFAST	•	•	CFAST SATA	1
COMMUNICATION PORTS > note 4	•	•	1 x RS232/422/485 (DB15M) • 1 x USB 2.0	1
	•	•	1 x RS232/422/485 (DB15M) isolated • 1 x USB 2.0	1
	•	•	2 x RS232 (DB9M)	2
	•	•	2 x USB 2.0	0
UPS BATTERIES KIT	•	•	Batteries kit for detached systems mounting (wall mount) • 30cm cable included	15
	•	•	Batteries kit for detached mounting (wall mount) • 100cm cable included	15
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:	For power consumption calculation we recommend to read the tips on pg. 4. The power values does not include the absorbed power of USB devices connected to the ports.
2:	UPS module is supported by Microsoft Win32/64 operating systems
3:	BM3300 RVL has to be used with a MHR100 or MKR100 monitor
4:	2,5" SSD and 2,5" HDD devices cannot be installed together
5:	Communication boards cannot be installed together



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TECHNICAL SPECIFICATIONS	
Case	Wall book mounting
Overall dimensions & weight	See details on the related section
Power supply	24VDC isolated • Input voltage: 18÷32V DC
UPS (optional)	12V DC UPS (Uninterruptible Power Supply) battery backup system Batteries module (optional): Pb, 12V/13A max, 2500mAh • Charge time 3h@25°C • Discharge time 15!@5A and 25°C • Lifetime 10years@25°C
Motherboard	"All-In-One" type • ASEM 1372
Watch dog	Time programmable
Intel platform	Processor Intel® Celeron™ dual core 15W • Intel® Core™ 6th generation 15W (25W) Chipset Intel® Skylake U PCH (Platform Controller Hub) • Integrated into processor chip
Operating System	O.S. certified by ASEM: Microsoft Windows 10 IoT Enterprise 2016 32/64bit • Microsoft Windows 8.1 Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • Microsoft Windows Embedded Standard 7E/7P 32/64 bit • Linux Other operating systems, such as 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 Windows XP / 2000 / 98 / Microsoft Windows CE 5 / 6 / 7
Software	Remote assistance: ASEM UBIQUITY BASIC Win32/64 runtime license with ASEM sticker
Video controller	Intel® HD Graphics 510 integrated into Intel® Celeron™ microprocessor • 900MHz Intel® HD Graphics 520 integrated into Intel® Core™ microprocessor • 1GHz / 1,05GHz
Video RAM (shared)	Dynamic Video Memory Technology • Memory quantity is automatically selected by operating system • Maximum quantity depends on the operating system version
System memory	DDR4-2133 type • 1 SODIMM module • min 4GB • max 16GB
Mass storage	1 x onboard connector for direct insertion of mSATA SSD SATA 3, 6Gb/s • 1 x onboard connector for 2,5" SSD/HDD 24x7 SATA 3, 6Gb/s, with internal installation kit
TPM	2x10 (2,54) Pin-strip connector for optional TPM module
Front signalling (LED)	Power ON • UPS • HDD activity • Over temperature / Battery fault • Watchdog / Reset factory default
Front buttons (with open door)	Power ON • System Reset • Watchdog Reset • Factory Default Reset
On Top I/F	BM3300: 3 x Ethernet 10/100/1000 Mbps (RJ45), 2 x Intel® I210, 1 x Intel® I219LM • 2 x USB 3.0 (Type A) • 1 x DVI-D Single Link (max resolution: 1920x1200) BM3300 RVL: 3 x Ethernet 10/100/1000 Mbps (RJ45), 2 x Intel® I210, 1 x Intel® I219LM • 2 x USB 3.0 (Type A) • 1 x RJ45 (RVL OUT) remotation (TX) of DVI-D video signals and USB 2.0 up to 100 m
On Front I/F (with front door)	1 x bootable CFast SATA 3 slot • 1 x system battery slot (CR2032) • 1 x USB 3.0
Environmental specifications	Operating temperature: 0°C÷+50°C, 0°C÷+45°C with 24x7 HDD • Storage temperature: -10° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • cULus LISTED (UL 61010) pending
Standard warranty	12 months • Warranty management by ASEM headquarters

OVERALL DIMENSIONS (mm)

