ASEM

ASEM STANDARD

Book mounting Box x86 based

BM2200
fanless

Industrial Automation - Products & Configurations

BM2200 BASIC SYSTEM		POWER [W]
Basic Configuration	Intel® Celeron® quad core J1900 2,00 GHz ▪ 2GB RAM ▪ fanless ▪ **DVI-I video output and VGA adapter** ▪ UBIQUITY BASIC Win32 runtime ▪ 24V DC isolated power supply ▪ 12 month warranty	19

SISTEMA BASE BM2200 RVL		POWER [W]
Basic Configuration	Intel® Celeron® quad core J1900 2,00 GHz ▪ 2GB RAM ▪ fanless ▪ **Remote Video Link, remotation (TX) of DVI-D video signals and USB 2.0** ▪ UBIQUITY BASIC Win32 runtime ▪ 24V DC isolated power supply ▪ 12 months warranty	23

	-	RVL		POWER [W]
REMOTE ASSISTANCE	●	●	ASEM UBIQUITY BASIC Win32 runtime	
PROCESSOR	●	●	Intel® Celeron® J1900 ▪ 2,00 GHz (2,42 GHz Burst), 2MB L2 cache ▪ 4 cores, 4 threads ▪ Soldered on-board	
RAM MEMORY	●	●	1 GB ▪ 1 module SODIMM DDR3-1600	- 1
	●	●	2 GB ▪ 1 module SODIMM DDR3-1600	
	●	●	4 GB ▪ 1 module SODIMM DDR3-1600	+ 1
	●	●	8 GB ▪ 1 module SODIMM DDR3-1600	+ 2
EXTERNAL MONITOR OUTPUT	●		DVI-I (Single Link) video interface for additional external monitor ▪ Max resolution 1920x1080 FullHD ▪ VGA adapter included	
		●	Remote Video Link integrated ▪ remotation up to 100m of DVI-D video signals and USB 2.0 ▪ without cables **> note 1**	

OPTIONS				POWER [W]
	-	RVL		
TPM	●	●	TPM - Trusted Platform Module	0
SSD mSATA > note 2	●	●	SSD mSATA, SATA 2, 3Gb/s (Solid State Disk), MLC	2
SSD 2,5" > note 2	●	●	SSD 2,5" SATA installation kit (SSD not included)	-
	●	●	SSD 2,5" SATA 2, 3Gb/s (Solid State Disk), MLC	5
HDD 2,5" > note 2	●	●	HDD 2,5" SATA installation kit (HDD not included) ▪ with shock absorber	-
	●	●	HDD 2,5" SATA	6
CFAST	●	●	CFast SATA 2	1
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
For power consumption calculation we reccomend to read the tips on pg. 4. The power values does not include the absorbed power of USB devices connected to the ports.
1: BM2200 RVL has to be used with a MHR100 or MKR100 monitor
2: mSATA SSD and 2,5" SSD/HDD devices cannot be installed together

TECHNICAL SPECIFICATIONS		
Case		Wall book mounting
Overall dimensions & weight		See details on the related section
Power supply		24VDC isolated • Input voltage: 18÷32V DC
Motherboard		"All-In-One" type • ASEM 977
Watch dog		Time programmable
Intel platform	Processor	Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board
Operating System	O.S. certified by ASEM	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
Software	Remote assistance	ASEM UBIQUITY BASIC Win32 runtime license with ASEM sticker
Video controller		Intel® HD Graphics integrated into Intel® Celeron™ microprocessor • 688MHz • I/F digitale LVDS a 8bit/colore
Video RAM (shared)		Dynamic Video Memory Technology • Memory quantity is automatically selected by operating system (max 1720 MB)
System memory		DDR3-1066 type • 1 SODIMM module • min 1GB • max 8GB
Mass storage interfaces		1 x SATA 2, 3Gb/s or 1 x mSATA 2, 3Gb/s
Front signalling (LED)		Power ON • UPS • HDD activity • Over temperature / Battery fault • Watchdog / Reset factory default • PLC status • BUS status
Front buttons (with open door)		Power ON • System Reset • Watchdog Reset • Factory Default Reset
On Top I/F	BM2200	2 x Ethernet 10/100/1000 Mbps (RJ45), Intel® I210 • 2 x USB 2.0 (Type A) • 1 x DVI-I Single Link (max risolution: DVI-D/VGA 1920x1080 FullHD)
	BM2200 RVL	2 x Ethernet 10/100/1000 Mbps (RJ45), Intel® I210 • 2 x USB 2.0 (Type A) • 1 x RJ45 (RVL OUT)
On Front I/F (with front door)		1 x slot CFast (bootable) • 1 x CR2032 battery slot • 1 x USB 3.0
Environmental specifications		Operating temperature: 0°C÷+50°C, 0°C÷+45°C with 24x7 HDD, +5°C÷+45°C with standard 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 (UL508) pending
Standard warranty		12 months • Warranty management by ASEM headquarters

OVERALL DIMENSIONS (mm)

SIDE VIEW

FRONT VIEW

TOP VIEW

BM2200 CONNECTORS VIEW

2 x LAN   1 x DVI

POWER PLUG

2 x USB 2.0

BM2200 RVL CONNECTORS VIEW

2 x LAN

POWER PLUG

2 x USB 2.0   1 x RVL OUT