


**Industrial Automation - Products & Configurations**

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

BM2200 RVL BASIC SYSTEM		POWER [W]
Basic Configuration	Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • fanless • <b>Remote Video Link, remotation (TX) of DVI-D video signals and USB 2.0 up to 100 m</b> • UBIQUITY BASIC Win32 runtime • 24V DC isolated power supply • 12 months warranty	23

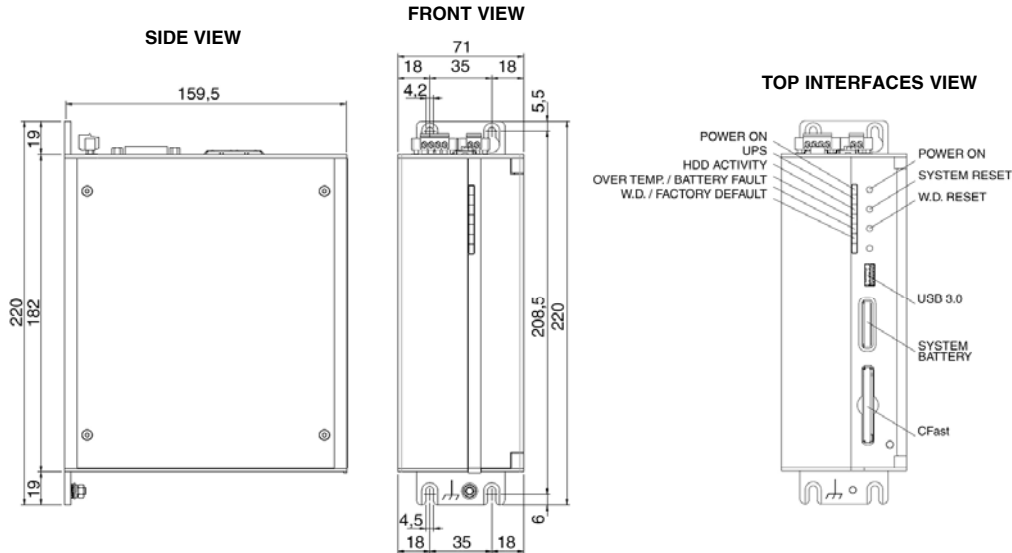
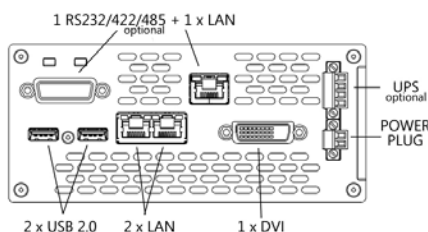
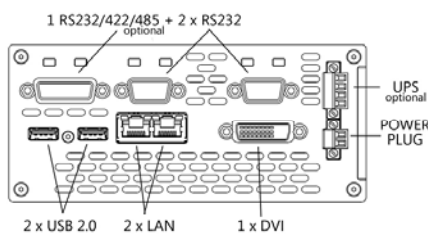
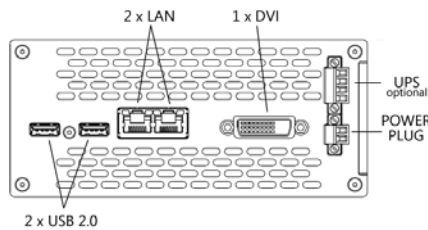
	-	RVL		POWER [W]
<b>REMOTE ASSISTANCE</b>	•	•	ASEM UBIQUITY BASIC Win32 runtime	
<b>PROCESSOR</b>	•	•	Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board	
<b>RAM MEMORY</b>	•	•	2 GB • 1 module SODIMM DDR3-1600	
	•	•	4 GB • 1 module SODIMM DDR3-1600	+ 1
	•	•	8 GB • 1 module SODIMM DDR3-1600	+ 2
<b>INTERNAL PSU</b>	•	•	Without UPS (uninterruptible power supply)	
	•	•	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > <b>note 1</b>	+ 1
<b>EXTERNAL MONITOR OUTPUT</b>	•	•	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 > <b>note 2</b>	

OPTIONS				POWER [W]
<b>TPM</b>	•	•	TPM - Trusted Platform Module	0
<b>SSD mSATA &gt; note 3</b>	•	•	SSD mSATA, SATA 2, 3Gb/s (Solid State Disk), MLC	2
<b>SSD 2,5" &gt; note 3</b>	•	•	SSD 2,5" SATA installation kit (SSD not included)	-
	•	•	SSD 2,5" SATA 2, 3Gb/s (Solid State Disk), MLC	5
<b>HDD 2,5" &gt; note 3</b>	•	•	HDD 2,5" SATA installation kit (HDD not included) • with shock absorber	-
	•	•	HDD 2,5" SATA	6
<b>CFAST</b>	•	•	CFast SATA 2	1
<b>COMMUNICATION PORTS</b>	•	•	1 x RS232/422/485 (DB15M) isolated • 2 x RS232 (DB9M) > <b>note 4</b>	3
	•	•	1 x RS232/422/485 (DB15M) isolated • 1 x Ethernet 10/100/1000Mbps, Intel® I210 > <b>note 4</b>	3
<b>UPS BATTERIES KIT</b>	•	•	Batteries kit for detached systems mounting (wall mount) • 30cm cable included	15
	•	•	Batteries kit for detached mounting (wall mount) • 100cm cable included	15
<b>WARRANTY EXTENSION</b>	•	•	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 recommend to read the tips on pg. 4. The power values does not include the absorbed power of USB devices connected to the ports.	
<b>1:</b> UPS module is supported by Microsoft Win32/64 operating systems	
<b>2:</b> BM2200 RVL has to be used with a MHR100 or MKR100 monitor	
<b>3:</b> mSATA SSD and 2,5" SSD/HDD devices cannot be installed together	
<b>4:</b> Communication boards 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
UPS (optional)	12V DC UPS (Uninterruptible Power Supply) battery backup system Batteries module (optional): Pb, 12V/13Ah max, 2500mAh • Charge time 3h@25°C • Discharge time 15'@5A and 25°C • Lifetime 10years@25°C
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 10 IoT Enterprise 2016 64bit • Microsoft Windows 8.1 Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • 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
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 2GB • 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 resolution: 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) remotation (TX) of DVI-D video signals and USB 2.0 up to 100 m
On Front I/F (with front door)	1 x slot CFast (bootable) • 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, +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 (UL 61010)
Standard warranty	12 months • Warranty management by ASEM headquarters

**OVERALL DIMENSIONS (mm)**

**BM2200 CONNECTORS VIEW**

**BM2200 RVL CONNECTORS VIEW**
