





Book mounting Box x86 based

3M2200

fanless

Industrial Automation - Products & Configurations

		BM2200 BASIC SYSTEM		POWER [W]
Basic Con	nfiguration	Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • fanless • DVI-I video output and VGA adapter• 24V DC isolated power supply UBIQUITY BASIC Win32/64 runtime • 12 month warranty	•	19
		BM2200 RVL BASIC SYSTEM		POWER [W]
Basic Con		Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • fanless • Remote Video Link, remotation (TX) of DVI-D video signals and USB up to 100 m • 24V DC isolated power supply • UBIQUITY BASIC Win32/64 runtime • 12 months warranty		23
REMOTE	- RVL			
ASSISTANCE	• •	ASEM UBIQUITY BASIC Win32/64 runtime	Ψ	
PROCESSOR	•	Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board		
		2 GB • 1 module SODIMM DDR3-1600	Ψ	
RAM MEMORY		4 GB • 1 module SODIMM DDR3-1600		+ 1
		8 GB • 1 module SODIMM DDR3-1600		+ 2
			Ψ	
INTERNAL PSU	• •	Without UPS (uninterruptible power supply)		
	• •	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 1		+ 1
		DVI-I (Single Link) video interface for additional external monitor • Max resolution 1920x1080 FullHD • VGA adapter included	Ψ	
EXTERNAL ONITOR OUTPUT	•	Remote Video Link integrated • remotation up to 100m of DVI-D video signals and USB 2.0 • without cables > note 2		
		OPTIONS		POWER [W]
	- RVL			
			Ψ	
ТРМ	• •	TPM - Trusted Platform Module	Ψ	0
SSD mSATA > note 3		TPM - Trusted Platform Module SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC	•	2
SSD mSATA > note 3	• •		•	
SSD mSATA > note 3	••	SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC	Ψ	
SSD mSATA > note 3 SSD 2,5" > note 3	• •	SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included)	Ψ	2 -
SSD mSATA > note 3 SSD 2,5" > note 3	• •	SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA	Ψ	2 - 5
SSD mSATA > note 3 SSD 2,5" > note 3	• •	SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA HDD 2,5" SATA installation kit (HDD not included) • with shock absorber	Ψ	2 - 5
SSD mSATA > note 3 SSD 2,5" > note 3 HDD 2,5" > note 3 CFAST	• •	SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA	Ψ	2 - 5 - 6
SSD mSATA > note 3 SSD 2,5" > note 3 HDD 2,5" > note 3 CFAST		SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA CFast SATA		2 - 5 - 6 1
SSD mSATA > note 3 SSD 2,5" > note 3 HDD 2,5" > note 3 CFAST DMMUNICATION PORTS		SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA CFast SATA 1 x RS232/422/485 (DB15M) isolated • 2 x RS232 (DB9M) > note 4		2 - 5 - 6 1 3 3
SSD mSATA > note 3 SSD 2,5" > note 3 HDD 2,5" > note 3 CFAST		SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA CFast SATA 1 x RS232/422/485 (DB15M) isolated • 2 x RS232 (DB9M) > note 4 1 x RS232/422/485 (DB15M) isolated • 1 x Ethernet 10/100/1000Mpbs, Intel® 1210 > note 4		2 - 5 - 6 1 3 3 3
SSD mSATA > note 3 SSD 2,5" > note 3 HDD 2,5" > note 3 CFAST DMMUNICATION PORTS		SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA CFast SATA 1 x RS232/422/485 (DB15M) isolated • 2 x RS232 (DB9M) > note 4 1 x RS232/422/485 (DB15M) isolated • 1 x Ethernet 10/100/1000Mpbs, Intel® 1210 > note 4 Batteries kit for detached systems mounting (wall mount) • 30cm cable included Batteries kit for detached mounting (wall mount) • 100cm cable included		2 - 5 - 6 1 3 3 15
SSD mSATA > note 3 SSD 2,5" > note 3 HDD 2,5" > note 3 CFAST DMMUNICATION PORTS		SSD mSATA, SATA II 3Gb/s (Solid State Disk), MLC SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA CFast SATA 1 x RS232/422/485 (DB15M) isolated • 2 x RS232 (DB9M) > note 4 1 x RS232/422/485 (DB15M) isolated • 1 x Ethernet 10/100/1000Mpbs, Intel® 1210 > note 4 Batteries kit for detached systems mounting (wall mount) • 30cm cable included		2 - 5 - 6 1 3 3 15

NOTES

The power consumption of the configuration takes into consideration the maximum absorbed power of every component and does not include the consumption of the devices connected to the USB ports.

- 1: UPS module is supported by Microsoft Win32/64 operating systems
- 2: BM2200 RVL has to be used with a MHR100, MKR100 or with a RVL receiver module connected to a monitor via DVI-D.
- 3: mSATA SSD and 2,5" SSD/HDD devices cannot be installed together
- 4: Communication boards cannot be installed together







fanless

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, 2500mA/h • Charge time 3h@25°C • Discharge time 15′@5A and 25°C • Lifetime 10years@25°C Motherboard 7All-In-One' type • ASEM 977 Watch dog Time programmable Intel platform Processor Intel® Celeron® 11900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board Operating System 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 Obs. not supported Microsoft Windows XP / 2000 / 98 / Microsoft Windows CE 5 / 6 Software Remote assistance Video controlle Intel® HD Graphics integrated into Intel® Celeron® microprocessor • 688MHz Video RAM (shared) Opnamic Video Memory Technology • Memory quantity is automatically selected by operating system (max 1720 MB) System memory Op83-1066 type • 1 SODIMM module • min 2GB • max 8GB Mass storage interfaces 1 x SATA II 3Gb/s or 1 x mSATA II 3Gb/s Front buttons (with open door) On Top I/F BM2200 Power ON • System Reset • Watchdog Reset • Factory Default Reset On Top I/F BM2200 Cate Stehenet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RV45 (RVL OUT) remotation (TX) of DVI-D video signals and USB 2.0 up to 100 m On Front I/F (with front door) On Front I/F (with front door) 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)	TECHNICAL SPECIFICATIONS				
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, 2500mA/h • Charge time 3h@25°C • Discharge time 15′@5A and 25°C • Lifetime 10years@25°C Motherboard 7All-In-One' type • ASEM 977 Watch dog Time programmable Intel platform Processor Intel® Celeron® 11900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board Operating System 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 Obs. not supported Microsoft Windows XP / 2000 / 98 / Microsoft Windows CE 5 / 6 Software Remote assistance Video controlle Intel® HD Graphics integrated into Intel® Celeron® microprocessor • 688MHz Video RAM (shared) Opnamic Video Memory Technology • Memory quantity is automatically selected by operating system (max 1720 MB) System memory Op83-1066 type • 1 SODIMM module • min 2GB • max 8GB Mass storage interfaces 1 x SATA II 3Gb/s or 1 x mSATA II 3Gb/s Front buttons (with open door) On Top I/F BM2200 Power ON • System Reset • Watchdog Reset • Factory Default Reset On Top I/F BM2200 Cate Stehenet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RV45 (RVL OUT) remotation (TX) of DVI-D video signals and USB 2.0 up to 100 m On Front I/F (with front door) On Front I/F (with front door) 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)	Case	Wall book mounting			
UPS (optional) 12V DC UPS (Uninterruptible Power Supply) battery backup system 8atteries module (optional): Pb, 12V/13A max, 2500mA/h - Charge time 3h@25°C - Discharge time 15'@5A and 25°C - Lifetime 10years@25°C Watch dog Time programmable Intel platform Processor Intel® Celeron® 31900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board Operating System O, S, Microsoft Windows 10 IoT Enterprise 2016 64bit • Microsoft Windows 8.1 Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • certified by Microsoft Windows Endedd Standard 7E/73-2/64 bit • Linux ASEM 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 Microsoft Windows XP / 2000 / 98 / Microsoft Windows CE 5 / 6 Software Remote assistance ASEM UBIQUITY BASIC Win32/64 runtime license with ASEM sticker Video controller Intel® 1D 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 DOB3-1066 type • 1 SODIMM module • min 2GB • max 8GB Assess storage interfaces 1 x SATA II 3Gb/s or 1 x mSATA II 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) On Top JF BM2200 2 x Ethernet 10/100/1000 Mbps (R445), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RV45 (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 (CR20332) • 1 x USB 3.0 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)	Overall dimensions & weight	See details on the related section			
Batteries module (optional): Pb, 12V/13A max, 2500mA/h - 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® 11900 - 2,00 GHz (2,42 GHz Burst), 2MB L2 cache - 4 cores, 4 threads - Soldered on-board Operating System O, S, Incresoft Windows 10 IoT Enterprise 2016 64bit - Microsoft Windows 8.1 Industry Pro 32/64bit - Microsoft Windows 7 Pro/Ultimate 32/64bit - Certified by MICROSOft Windows Set System ASEM 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 Windows XP / 2000 / 98 / Microsoft Windows CE 5 / 6 Software Remote assistance ASEM UBIQUITY BASIC Win32/64 runtime license with ASEM sticker Video controller Video controller Video RAM (shared) Dynamic Video Memory Technology - Memory quantity is automatically selected by operating system (max 1720 MB) System memory DR3-1066 type - 1 SODIMM module - min 2GB - max 8GB Mass storage interfaces 1 x SATA II 3Gb/s or 1 x mSATA II 3Gb/s Front buttons (with open door) Power ON - System Reset - Watchdog Reset - Factory Default Reset On Top JF BM2200 Z sthermet 10/100/1000 Mbps (R445), Intel® 1210 - 2 x USB 2.0 (Type A) - 1 x RV45 (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 sick CFast (bootable) - 1 x system battery slot (CR2032) - 1 x USB 3.0 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)	Power supply	24VDC isolated • Input voltage: 18÷32V DC			
Motherboard "All-In-One" type • ASEM 977 Watch dog Intel platform Processor Operating System OS. Microsoft Windows 10 10° Enterprise 2016 64bit • Microsoft Windows 8.1 Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • Certified by Microsoft Windows 10 10° Enterprise 2016 64bit • Microsoft Windows 8.1 Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • Certified by Microsoft Windows 10 10° Enterprise 2016 64bit • Microsoft Windows 8.1 Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • Certified by Microsoft Windows 8.7 Pro/Ultimate 32/64bit • Microsoft Windows 7 Pro/Ultimate	UPS (optional)	12V DC UPS (Uninterruptible Power Supply) battery backup system			
Watch dog Time programmable Intel platform Processor Intel® Celeron® 11900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board Operating System Processor Intel® Celeron® 11900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board Operating System Operating System Syst		Batteries module (optional): Pb, 12V/13A max, 2500mA/h • Charge time 3h@25°C • Discharge time 15'@5A and 25°C • Lifetime 10years@25°C			
Intel platform Processor Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), ZMB L2 cache • 4 cores, 4 threads • Soldered on-board Operating System O, S, Microsoft Windows I) IoT Enterprise 2016 64bit • Microsoft Windows 8.1. Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • Certified by MICROSOFT Windows 7 Pro/Ultimate 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • Certified by MICROSOFT Windows 7 Pro/Ultimate 32/64bit • MICROSOFT Windows 7 Pro/Ultimate 32/64bit	Motherboard	"All-In-One" type • ASEM 977			
Operating System	Watch dog	Time programmable			
certified by Microsoft Windows Embedded Standard 7E/7P 32/64 bit - Linux ASEM 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 Win32/64 runtime license with ASEM sticker Video controller Intel® 1D Graphics integrated into Intel® Celeron® microprocessor • 688MHz Video RAM (shared) Opnamic Video Memory Technology • Memory quantity is automatically selected by operating system (max 1720 MB) System memory ODR3-1066 type • 1 SODIMM module • min 2GB • max 8GB ### ASS storage interfaces I x SATA II 3Gb/s or 1 x m5ATA II 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) On Top I/F BM2200 **Ex thermet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x R145 (RVL OUT) remotation (TX) of DVI-D video signals and USB 2.0 up to 100 m On Front I/F (with front door) I x slot CFast (bootable) • 1 x system battery slot (CR2032) • 1 x USB 3.0 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)	Intel platform Processor	Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board			
O.S. not supported by Intel platform Microsoft Windows XP / 2000 / 98 / Microsoft Windows CE 5 / 6 Software Remote assistance ASEM UBIQUITY BASIC Win32/64 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 268 • max 8GB Mass storage interfaces 1 x SATA II 3Gb/s or 1 x mSATA II 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 (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RVI-1 Single Link (max risolution: DVI-D/VGA 1920x1080 FullHD) BM200 RVL 2 x Ethernet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RVI-1 Single Link (max risolution: 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)					
Software Remote assistance ASEM UBIQUITY BASIC Win32/64 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 II 3Gb/s or 1 x mSATA II 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® 1210 • 2 x USB 2.0 (Type A) • 1 x DVI-1 Single Link (max risolution: DVI-D)VGA 1920x1080 FullHD) BM2200 RVL 2 x Ethernet 10/100/1000 Mbps (RJ45), Intel® 1210 • 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)					
Video controller Intel® HD Graphics integrated into Intel® Celeron™ microprocessor • 688MHz Video RAM (shared) Oynamic 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 System memory DDR3-1066 type • 1 SODIMM module • min 2GB • max 8GB I x SATA II 3Gb/s or 1 x mSATA II 3GB • max 8GB 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) On Top I/F BM2200 2 x Ethernet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RVI-1 Single Link (max risolution: DVI-D/VGA 1920x1080 FullHD) BM2200 RVL 2 x Ethernet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x R145 (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)	O.S. not supported by Intel platform	Microsoft Windows XP / 2000 / 98 / Microsoft Windows CE 5 / 6			
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System memory DDR3-1066 type • 1 SODIMM module • min 2GB • max 8GB Mass storage interfaces 1 x SATA II 3Gb/s or 1 x mSATA II 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 • Matchdog Reset • Factory Default Reset On Top I/F BM2200 2 x Ethernet 10/100/1000 Mbps (R345), Intel® 1210 • 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 (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x R345 (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)	Video controller	Intel® HD Graphics integrated into Intel® Celeron™ microprocessor • 688MHz			
Mass storage interfaces 1 x SATA II 3Gb/s or 1 x mSATA II 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) On Top I/F BM2200 2 x Ethermet 10/100/1000 Mbps (RJ45), Intel® 1210 - 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 BM2200 RVL 2 x Ethermet 10/100/1000 Mbps (RJ45), Intel® 1210 - 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)	Video RAM (shared)	Dynamic Video Memory Technology • Memory quantity is automatically selected by operating system (max 1720 MB)			
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) On Top 1/F BM2200 2 x Ethernet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x DVI-1 Single Link (max risolution: DVI-D/VGA 1920x1080 FullHD) BM2200 RVL 2 x Ethernet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x R145 (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)	System memory	DDR3-1066 type • 1 SODIMM module • min 2GB • max 8GB			
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 (R145), Intel® 1210 • 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 (R145), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x R145 (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)	Mass storage interfaces	1 x SATA II 3Gb/s or 1 x mSATA II 3Gb/s			
On Top 1/F BM2200 2 x Ethernet 10/100/1000 Mbps (R.145), Intel® 1210 • 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 (R.145), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RV45 (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)	Front signalling (LED)	Power ON • UPS • HDD activity • Over temperature / Battery fault • Watchdog / Reset factory default • PLC status • BUS status			
BM2200 RVL 2 x Ethernet 10/100/1000 Mbps (RV45), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x RV45 (RVL OUT) remotation (TX) of DV1-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)	Front buttons (with open door)	Power ON • System Reset • Watchdog Reset • Factory Default Reset			
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)	On Top I/F BM2200	2 x Ethernet 10/100/1000 Mbps (R345), Intel® I210 • 2 x USB 2.0 (Type A) • 1 x DVI-I Single Link (max risolution: DVI-D/VGA 1920x1080 FullHD)			
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)	BM2200 RVL	2 x Ethernet 10/100/1000 Mbps (R345), Intel® 1210 • 2 x USB 2.0 (Type A) • 1 x R345 (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			
Approvals CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) ⋅ cULus LISTED (UL 61010)	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	Standard warranty	12 months • Warranty management by ASEM headquarters			

