



Industrial Automation - Products & Configurations

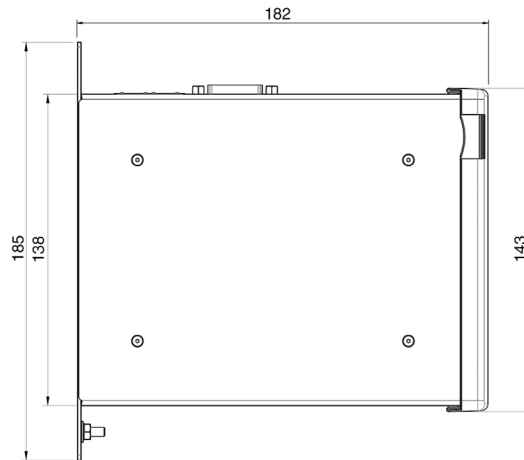
BM2150 BASIC SYSTEM			POWER [W]
Basic Configuration	Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • fanless • 24V DC isolated power supply • Kit for wall book mounting • UBIQUITY BASIC Win32/64 runtime • 12 month warranty		18
REMOTE ASSISTANCE	ASEM UBIQUITY BASIC Win32/64 runtime		
PROCESSOR	Intel® 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
INTERNAL PSU	Without UPS (Uninterruptable Power Supply) Without kit for ATX power supply functionality		
	Without UPS (Uninterruptable Power Supply) With kit for ATX power supply functionality including on board button, internal cable and connector for remote command.		+ 0
	With UPS (Uninterruptable Power Supply) integrated in power supply section • batteries kit not included >note 1 Without kit for ATX power supply functionality		+ 1
	With UPS (Uninterruptable Power Supply) integrated in power supply section • batteries kit not included >note 1 With kit for ATX power supply functionality including on board button, internal cable and connector for remote command		+ 1
MOUNTING KIT	Kit for wall book mounting		
	Kit for DIN rail book mounting		+ 0
OPTIONS			POWER [W]
SSD mSATA	SSD on mSATA connector onboard, SATA		2
CFAST	CFAST SATA		1
COMMUNICATION PORTS with CONN. "60pin-H"	1 x RS232/422/485 serial port (DB15M) • 1 x USB 2.0 port > note 2		1
	1 x RS232/422/485 isolated serial port (DB15M) • 1 x USB 2.0 port > note 2		1
	2 x RS232 serial ports (DB9M) > note 2		2
	1 x USB 2.0 ports > note 2		0
	1 x Ethernet 10/100/1000Mbps, Intel® I210 + 1 x USB 2.0 port > note 2		1
FIELDBUS	1 x NETcore X card with "60pin-H" connector > note 2		3
WIRELESS MODULES	WiFi module, IEEE 802.11a/b/g/n, 2,4GHz - 5 GHz • Modem 3G/4G-LTE > note 2		1
UPS BATTERY KIT	Batteries kit for detached mounting (wall mount) • 30cm cable included		15
	Batteries kit for detached mounting (wall mount) • 100cm cable included		15
WARRANTY EXTENSION	Warranty extension to 18 month		
	Warranty extension to 24 months		
	Warranty extension to 36 months		
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: The UPS is supported only by Microsoft Win 32/64 OS			
2: Communication boards cannot be installed together			
TECHNICAL SPECIFICATIONS			
Case	Wall or DIN rail book mounting		
Overall dimensions & weight	See details on the related section		
Power supply	24VDC isolated • Input voltage: 18÷32V DC • ATX mode push button (optional)		
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	"All-In-One" type • ASEM 932		
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 • Microsoft Windows Embedded Standard 7E/7P 32/64 bit • Linux	
	O.S. not supported by Intel platform	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	
Software	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 1GB • max 8GB		
Mass storage interfaces	1 x mSATA II 3Gb/s		
Top signalling (LED)	Power ON • UPS • SSD activity • Over temperature / Battery fault		
Top buttons	System Reset		
On Top I/F	2 x Ethernet 10/100/1000 Mbps (RJ45), Intel® I210 • 1 x USB 2.0 (Type A) • 1 x USB 3.0 (Type A) • 1 x DVI-D Single Link (max resolution: 1920x1080 FullHD)		
On Front I/F (with front door)	1 x slot CFast (bootable)		
Environmental specifications	Operating temperature: 0°C÷+50°C • 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 (UL61010) pending		
Standard warranty	12 months • Warranty management by ASEM headquarters		



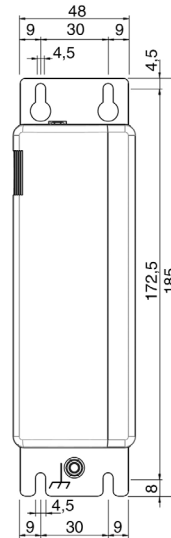
OVERALL DIMENSIONS (mm)

Wall mounting

SIDE VIEW

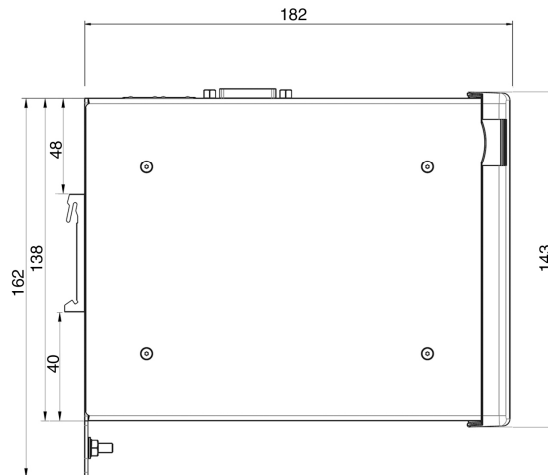


FRONT VIEW

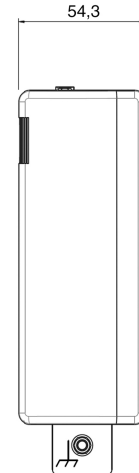


DIN rail mounting

SIDE VIEW



FRONT VIEW



CONNECTORS - TOP VIEW

