Industrial Automation - Products & Configurations

BM2150 BASIC SYSTEM			POWER [W]
Basic Configuration	Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • fanless • UBIQUITY BASIC Win32/64 runtime • 24V DC isolated power supply • Kit for wall book mounting • 12 month warranty		18
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
MOUNTING KIT	Kit for wall book mounting		
	Kit for DIN rail book mounting		+ 0

OPTIONS			POWER [W]
SSD mSATA	SSD mSATA, SATA 3, 6Gb/s (Solid State Disk), MLC		2
CFAST	CFast SATA 2		1
COMMUNICATION PORTS	1 x RS232/422/485 serial port (DB15M) • 1 x USB 2.0 port **> note 1**		1
	1 x RS232/422/485 isolated serial port (DB15M) • 1 x USB 2.0 port **> note 1**		1
	2 x RS232 serial ports (DB9M) **> note 1**		2
	1 x USB 2.0 ports **> note 1**		0
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.

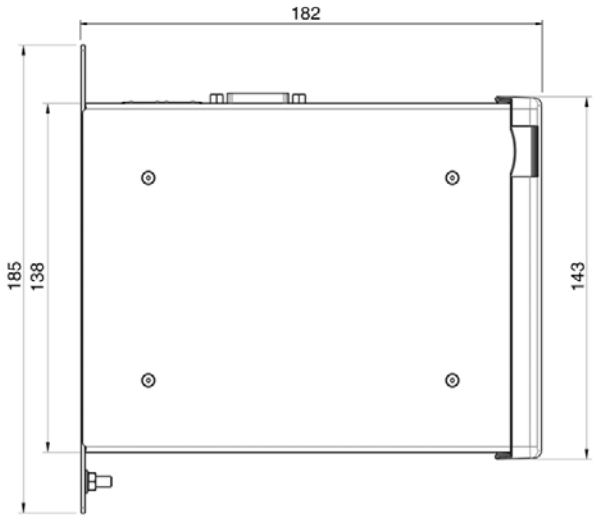
1: Communication boards cannot be installed together

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
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 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		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 2, 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 risolution: 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

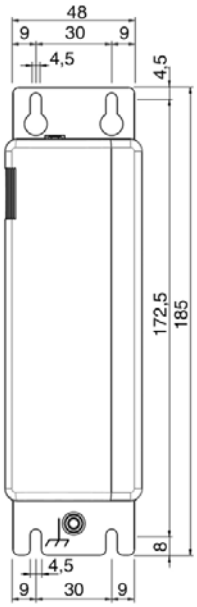
OVERALL DIMENSIONS (mm)

Wall mounting

SIDE VIEW

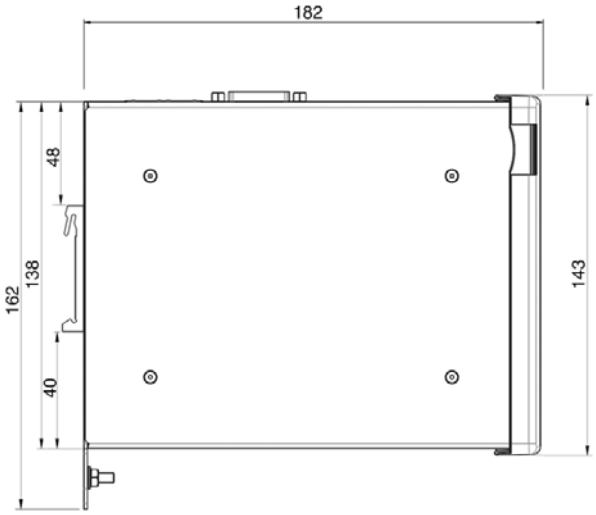


FRONT VIEW

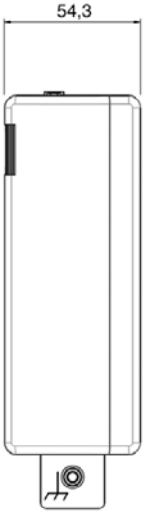
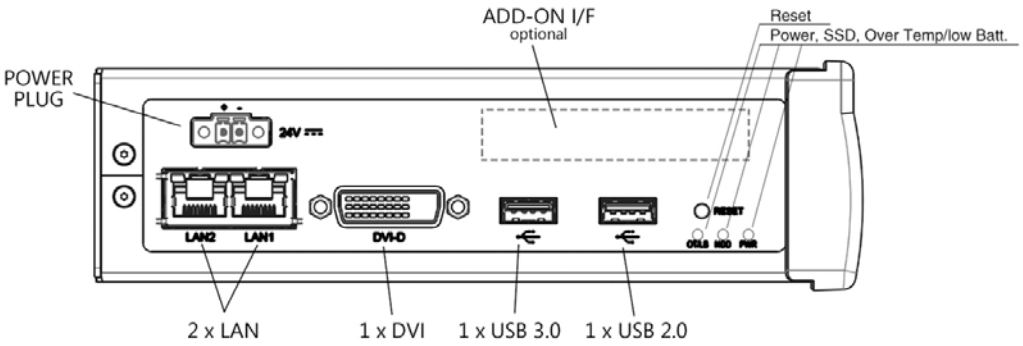


DIN rail mounting

SIDE VIEW



FRONT VIEW



CONNECTORS - TOP VIEW