

ASEM 6300B-SW2

Fanless wall mounting IPCs with Intel® Raptor Lake platform



- Intel® Raptor Lake PCH SoC generation
- Up to 48GB RAM with ECC support (for industrial processors), essential for mission critical and real time applications due to superior reliability and guaranteed data integrity
- Up to 3 simultaneous storage options: M.2 SSD, 2.5' SSD and CFast
- Fanless IPC ensuring operation between 0 and 50 °C without the need for mechanical ventilation
- ATX functionality for remote power on and native support for our new Smart UPS
- 256kB MRAM for saving retention variables (optional)
- Available in SL version with reduced depth, S0 version with the possibility to install additional interfaces, S1 version with one PCIe expansion slot and D2 with 2 extractable SSDs
- BIOS ThinManager® ready pre-installed
- FactoryTalk® Remote Access™ remote support software optional (UBIQUNITY compatible)
- FactoryTalk® Optix™ software for HMI and Edge Computing applications (optional)

FT Remote Access™ OPTIONAL
compatible con UBIQUNITY

FT Optix™ OPTIONAL

Windows 11 IoT

ECC

REAL-TIME
READY

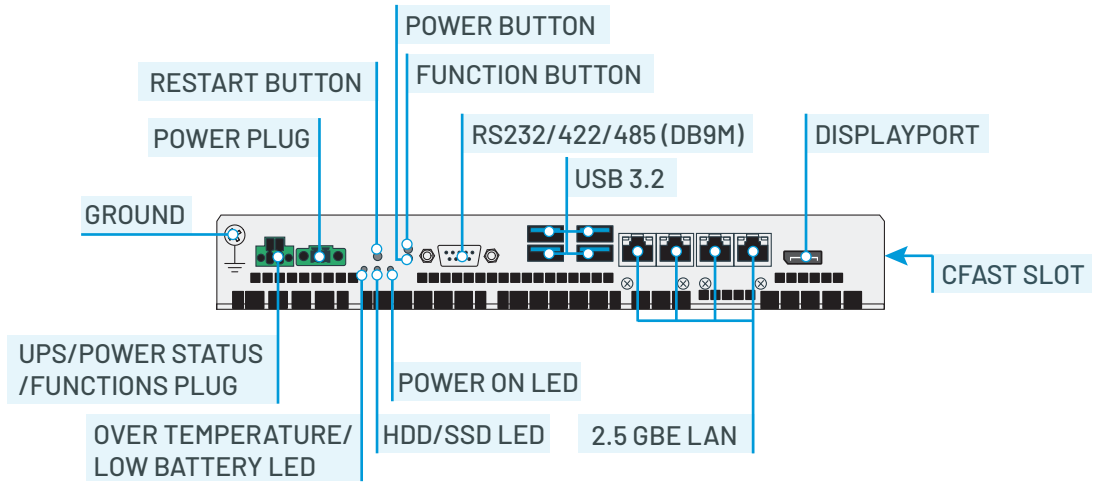
DESIGN
FOR
SECURITY



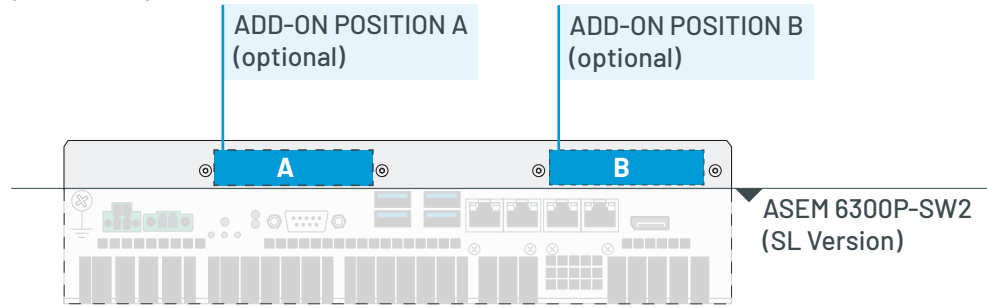
ASEM 6300B-SW2

I/O SHIELDS AND ADD-ON BOARDS

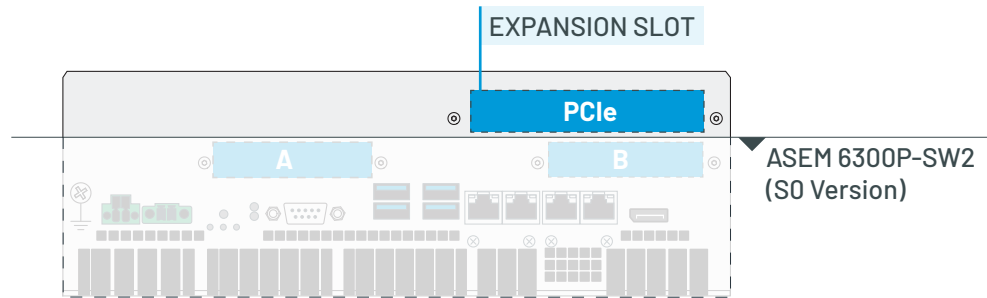
ASEM 6300B-SW2xxxxAA (SL Version)



ASEM 6300B-SW2xxxxAB (S0 Version)

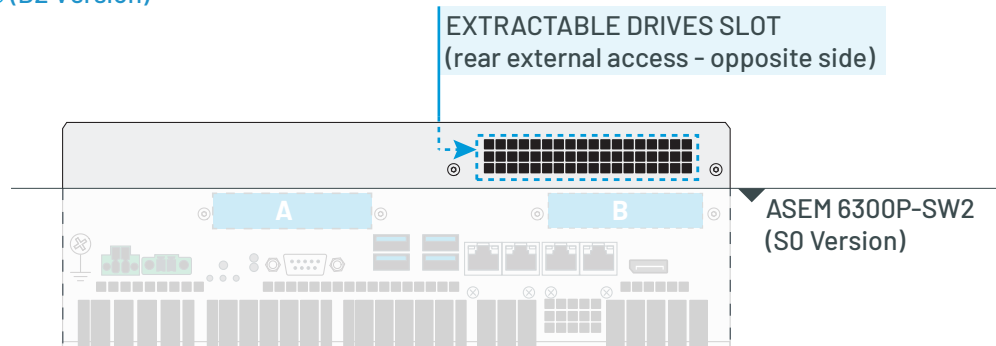


ASEM 6300B-SW2xxxxAC (S1 Version)



I/O SHIELDS AND ADD-ON BOARDS

ASEM 6300B-SW2xxxxAD (D2 Version)



POSITION A

- 2x RS232/422/485 isolated (DB9M)
- 2x USB 2.0 (Type-A)
- 1x 2.5 Gigabit Ethernet (RJ45) + 1x USB 2.0 (Type-A)

POSITION B

- 1x 2.5 Gigabit Ethernet (RJ45)
- 1x RVL (remote video link RJ45)
- 2x RVL (remote video link RJ45)
- 2x DisplayPort++
- 2x USB (Type-C)

DETAIL - EXTRACTABLE DRIVES SLOT

Extractable drives slot available only for D2 Version



ASEM 6300B-SW2

GALLERY



ASEM 6300B-SW2AA (SL)



ASEM 6300B-SW2AB (S0)



ASEM 6300B-SW2AC (S1)



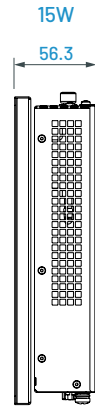
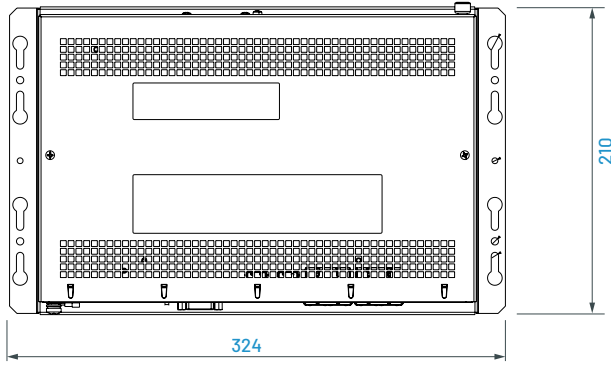
ASEM 6300B-SW2AD (D2)

DIMENSIONS

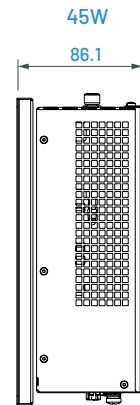
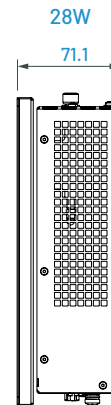
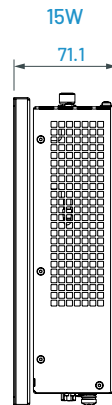
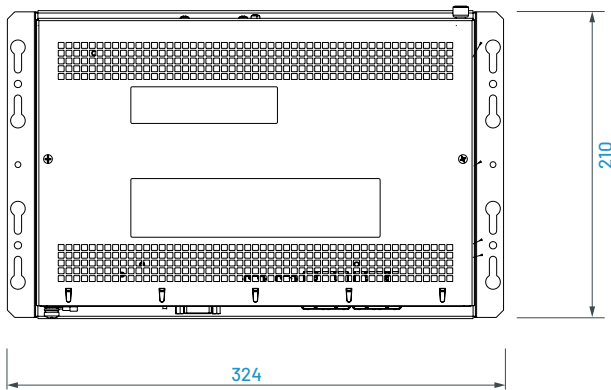
TOP VIEW

SIDE VIEWS

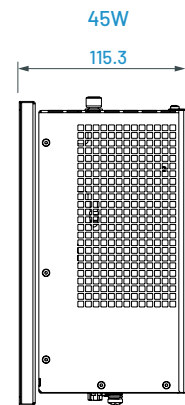
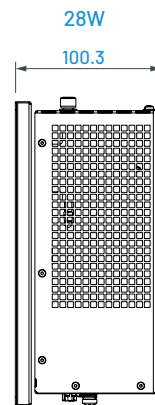
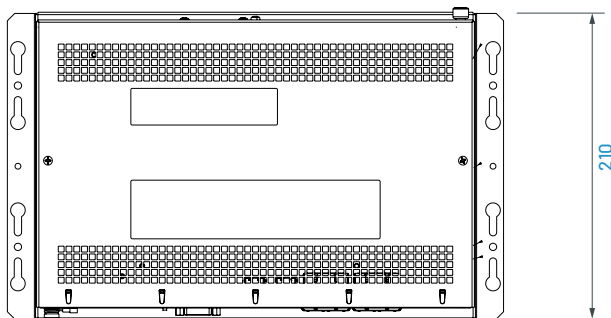
ASEM 6300B-SW2AA (SL version 15W)



ASEM 6300B-SW2AB (S0 version 15W, 28W, 45W)

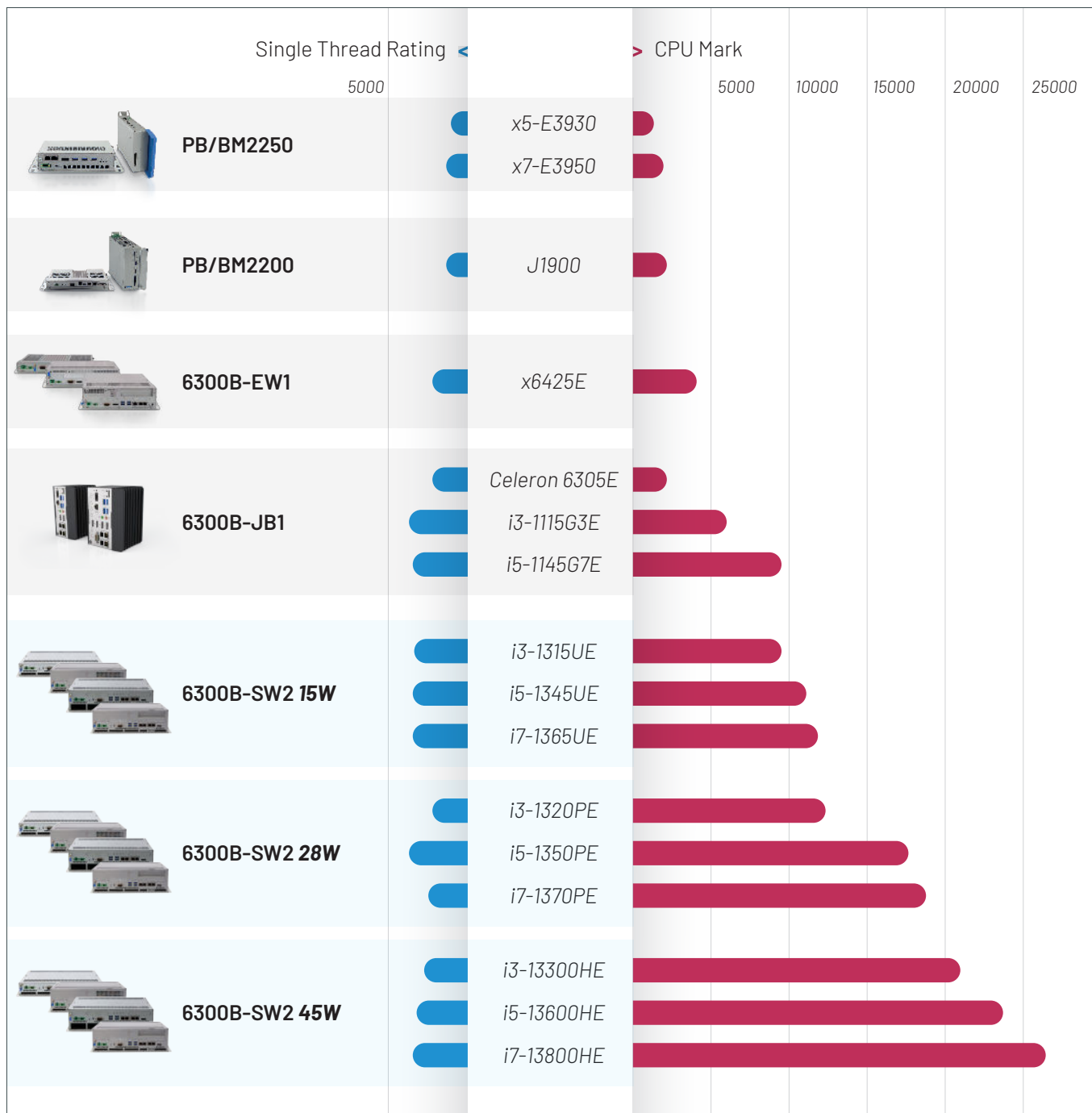


ASEM 6300B-SW2AC & ASEM 6300B-SW2AD (S1 & D2 version 28W, 45W)



ASEM 6300B-SW2

CPU COMPARISON TABLE



*Not all configurations and/or combinations are available

TECHNICAL DATA

		6300B-SW2	
PROTECTION GRADE	IP rating	IP20	
	NEMA rating	-	
CASE	Installation	Wall mounting	
	Material	Zinc-coated skin pass steel	
PROCESSOR (soldered on-board)	15W (SL/S0 versions)	Intel® Core™ i3-1315UE Intel® Core™ i3-1315URE	1.20GHz (4.50GHz max turbo frequency) • 6cores/8threads • 10MB Intel® Smart Cache
		Intel® Core™ i5-1345UE Intel® Core™ i5-1345URE	1.25 GHz (4.60GHz max turbo frequency) • 10cores/12threads • 12MB Intel® Smart Cache
		Intel® Core™ i7-1365UE Intel® Core™ i7-1365URE	1.30GHz (4.90GHz max turbo frequency) • 10cores/12threads • 12MB Intel® Smart Cache
	28W (S0/S1/D2 versions)	Intel® Core™ i3-1320PE	1.70GHz (4.50GHz max turbo frequency) • 8cores/12threads • 12MB Intel® Smart Cache
		Intel® Core™ i5-1350PE	1.80GHz (4.60GHz max turbo frequency) • 12cores/16threads • 12MB Intel® Smart Cache
		Intel® Core™ i7-1370PE	1.90GHz (4.80GHz max turbo frequency) • 14cores/20threads • 24MB Intel® Smart Cache
	45W (S0/S1/D2 versions)	Intel® Core™ i3-13300HE Intel® Core™ i3-13300HRE	2.1GHz (4.60GHz max turbo frequency) • 8cores/12threads • 12 MB Intel® Smart Cache
		Intel® Core™ i5-13600HE Intel® Core™ i5-13600HRE	2.70GHz (4.80GHz max turbo frequency) • 12cores/16threads • 18 MB Intel® Smart Cache
		Intel® Core™ i7-13800HE Intel® Core™ i7-13800HRE	2.5GHz (5.00 GHz max turbo frequency) • 14cores/20threads • 24 MB Intel® Smart Cache
		Chipset	Intel® Raptor Lake PCH (Platform Controller Hub) • Included into processor chip (SoC)
	Video Controller	Intel® UHD Graphics integrated in Intel® Core™ i3 Intel® Iris® X® Graphics integrated in Intel® Core™ i5 and i7	
	TPM	Intel® PTT (TPM integrated) Discrete TPM (optional)	
	SYSTEM MEMORY RAM	8GB (DDR5-4800) 16GB (DDR5-4800) 32GB (DDR5-4800) 48GB (DDR5-4800)	
MASS STORAGE	CFast	1x bootable CFast SATA III slot onboard with external access (up to 240GB)	
	M.2 SSD	1x onboard connector for direct insertion of M.2 NVMe PCIe SSD (up to 2TB)	
	2.5 SATA SSD	1x onboard connector for 2.5 SATA III SSD with internal installation kit (up to 1TB) *SL only 2x onboard connector for 2.5 SATA III SSD with external installation kit (up to 1TB) *S0/S1/D2 only	
INTERFACES	LAN	4x 2.5 Gigabit Ethernet (RJ45)	
	USB	4x USB 3.2 Gen2 (Type-A) 10 Gbps	
	SERIAL	1x RS232/RS422/RS485 (DB9M) isolated	
	VIDEO	1x DisplayPort++ v1.4a	
ADD-ON INTERFACES (optional) not available for SL version	Position A (max 1) 60pin	1x 2.5G Ethernet + 1x USB 2.0 (Type-A) 2x Isolated Serial Multistandard RS232/RS422/RS485 (DB9M) 2x USB3.0 (Type-A)	
	Position B (max 1) 26 pin	1x 2.5 Gigabit Ethernet (RJ45) 1x RVL (remote video link RJ45) 2x RVL (remote video link RJ45) 2x DisplayPort++ v1.4a 2x USB 3.2 (Type-C)	

TECHNICAL DATA

		6300B-SW2
EXPANSION SLOTS	only S1 version	1x PCIe x4, on riser card
NOVRAM (optional)		512kB MRAM module for retentive variables
POWER SUPPLY INPUT		24VDC (18+32VDC) isolated
POWER SUPPLY ADD-ON FUNCTIONS (selectable from BIOS)		Remote Power Button 1x output signal Power Status + 1x input signal System Off
BATTERY		1x CR2032 Internal access
O.S. CERTIFIED		Microsoft Windows 10 IoT Enterprise LTSC 2021 64bit Microsoft Windows 11 IoT Enterprise LTSC 2024 64bit
OPERATING TEMPERATURE		0°C + 50°C
STORAGE TEMPERATURE		-20°C + 65°C
OPERATING/STORAGE RELATIVE HUMIDITY		20% ÷ 90% RH (non-condensing)
APPROVALS		CE FCC UKCA cULus Listed Cmim - Morocco KCC - Korea RCM - Australia and New Zealand REACH RoHS compliant