

ASEM 6300P-EW1

Fanless Panel IPCs with Intel® Elkhart Lake platform



- 10.4', 12.1' and 15' TFT LCD in 4:3 format, 17' and 19' in 5:4 format and 12.1', 15.6', 18.5', 21.5' and 24' in Wide format with up to Full HD resolution
- Aluminium (AF), aluminium True Flat (AT) and stainless steel True Flat (SR) front panels with resistive touchscreen
- Aluminium and True Flat glass front panels with capacitive back-projected multitouch touchscreen (GL)
- Intel Atom® x6425E quad-core 2.00 GHz processor of the Elkhart Lake PCH SoC generation, over 300% higher performance than our previous QT/HT/PB/BM2200 family
- Up to 16GB RAM with ECC support, 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 (coming soon)
- 512kB MRAM for saving retention variables (optional)
- Available in SL version with reduced depth, S0 version with the possibility to install additional interfaces and S1 version with one PCI or PCIe expansion slot
- BIOS Thin Manager ready pre-installed
- FactoryTalk® Remote Access™ remote support software included (UBIQUITY compatible)
- FactoryTalk® Optix™ software for HMI and Edge Computing applications (optional)

FT Remote Access™ INCLUDED
compatible with UBIQUITY

FT Optix™ OPTIONAL

ECC

REAL-TIME
READY

FANLESS



IP69K



(only SR frontal)

DESIGN
FOR
SECURITY



ASEM 6300P-EW1

GALLERY



ASEM 6300P-EW1xxA
(AF) Aluminum Frame



ASEM 6300P-EW1xxB
(AT) Aluminum TrueFlat



ASEM 6300P-EW1xxC
(GL) Glass



ASEM 6300P-EW1xxD
(SR) Stainless Steel



ASEM 6300P-EW1xxxxAA (SL)



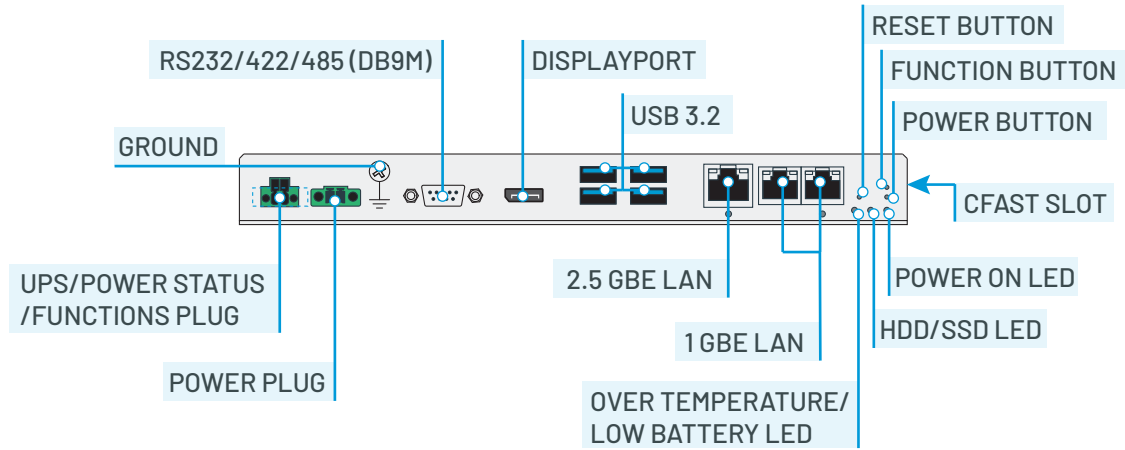
ASEM 6300P-EW1xxxxAB (S0)



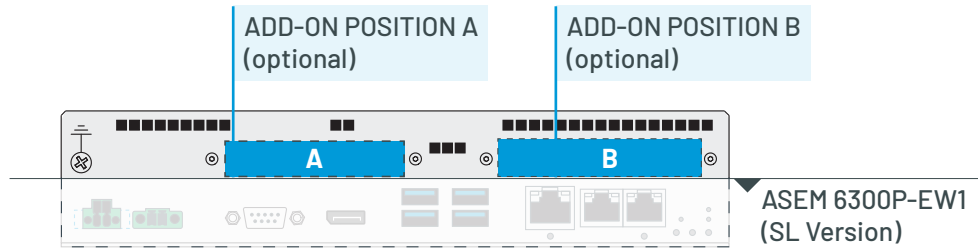
ASEM 6300P-EW1xxxxAC (S1)

I/O SHIELDS AND ADD-ON BOARDS

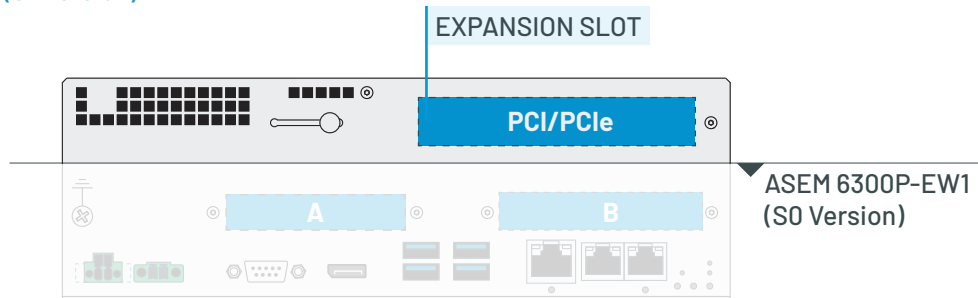
ASEM 6300P-EW1xxxxAA (SL Version)



ASEM 6300P-EW1xxxxAB (S0 Version)



ASEM 6300P-EW1xxxxAC (S1 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)
- 1x DisplayPort++ v1.4a

ASEM 6300P-EW1

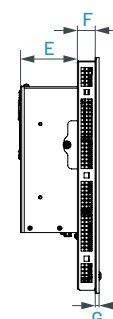
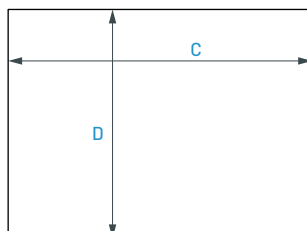
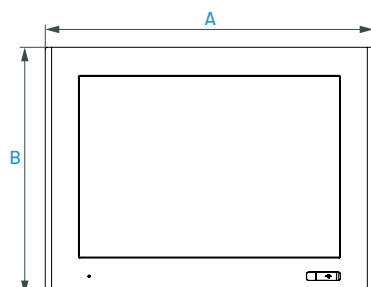
DIMENSIONS

FRONT VIEW

CUT-OUT

SIDE VIEW

ASEM 6300P-EW1xxxA (AF 4:3 - 5:4)



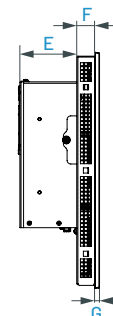
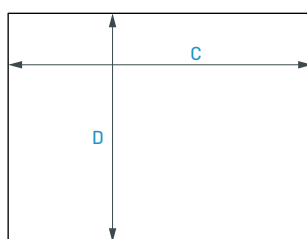
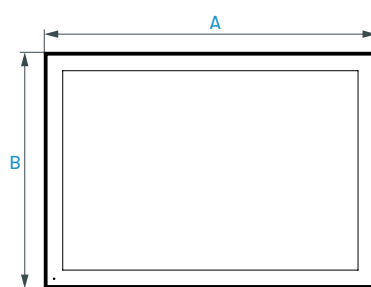
LCD	A	B	C	D	E (SL/S0/S1)	F	G
10.4"	300	245	280	225	29 / 56 / 77	18.8	5
12.1"	335	270	315	250	29 / 56 / 77	18.8	5
15"	390	315	370	295	29 / 56 / 77	18.8	6
17"	455	355	435	335	29 / 56 / 77	20.8	6
19"	490	388	470	368	29 / 56 / 77	22.8	6

FRONT VIEW

CUT-OUT

SIDE VIEW

ASEM 6300P-EW1xxxB (AT 4:3 - 5:4)



LCD	A	B	C	D	E (SL/S0/S1)	F	G
10.4"	300	245	280	225	29 / 56 / 77	18.8	5
12.1"	335	270	315	250	29 / 56 / 77	18.8	5
15"	390	315	370	295	29 / 56 / 77	18.8	6
17"	455	355	435	335	29 / 56 / 77	20.8	6
19"	490	388	470	368	29 / 56 / 77	22.8	6

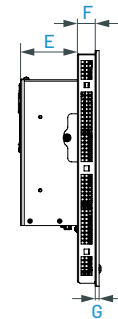
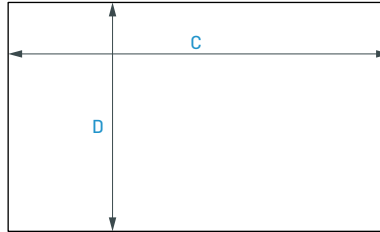
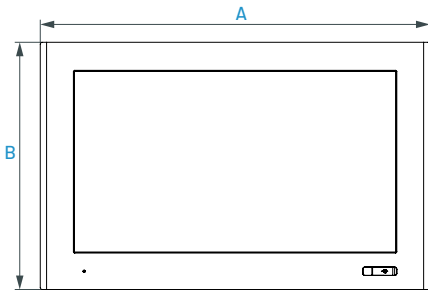
DIMENSIONS

FRONT VIEW

CUT-OUT

SIDE VIEW

ASEM 6300P-EW1xxxA (AF 16:9)



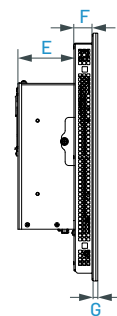
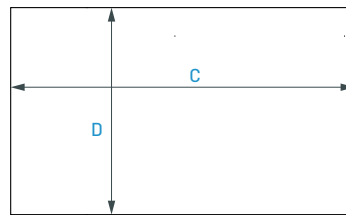
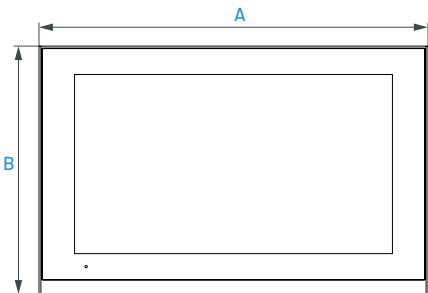
LCD	A	B	C	D	E (SL/S0/S1)	F	G
12.1" W	308	210	300	202	29 / 56 / 77	17.5	4.5
15.6" W	395.5	245	387.5	237.5	29 / 56 / 77	24.8	6
18.5" W	461	282	453	274.5	29 / 56 / 77	25.1	6
21.5" W	528	319.5	520	312	29 / 56 / 77	25	6
24" W	584	352	576	344.5	29 / 56 / 77	25	6

FRONT VIEW

CUT-OUT

SIDE VIEW

ASEM 6300P-EW1xxxC (GL 16:9)



LCD	A	B	C	D	E (SL/S0/S1)	F	G
12.1" W	308	210	300	202	29 / 56 / 77	17.5	4.5
15.6" W	395.5	245	387.5	237.5	29 / 56 / 77	24.8	6
18.5" W	461	282	453	274.5	29 / 56 / 77	25.1	6
21.5" W	528	319.5	520	312	29 / 56 / 77	25	6
24" W	584	352	576	344.5	29 / 56 / 77	25	6

ASEM 6300P-EW1

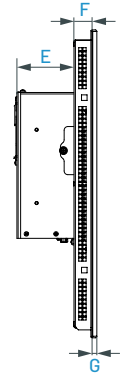
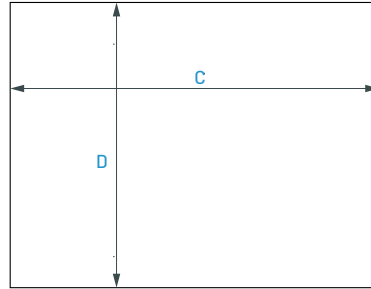
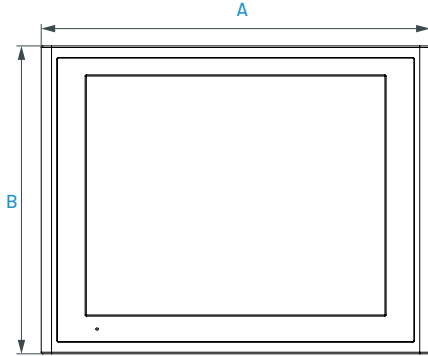
DIMENSIONS

FRONT VIEW

CUT-OUT

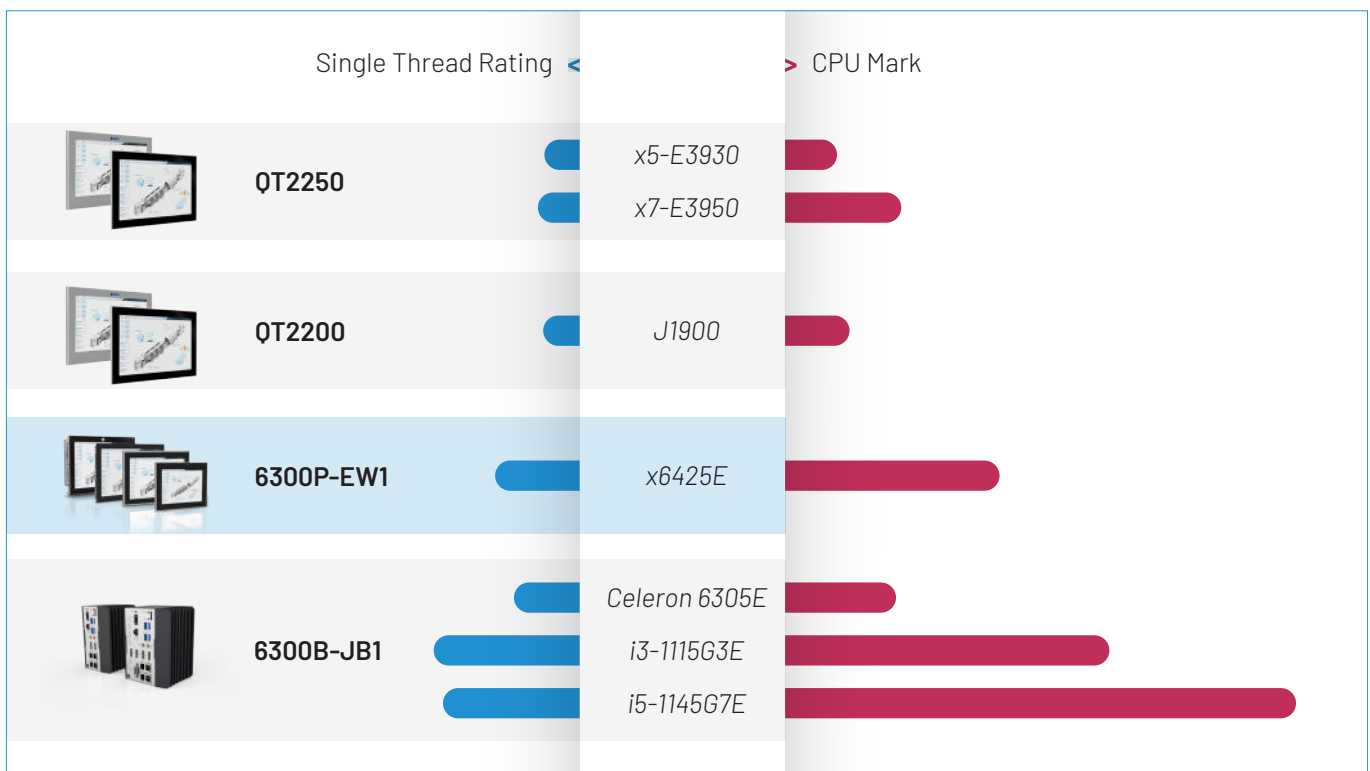
SIDE VIEW

ASEM 6300P-EW1xxx D (SR 16:9)



LCD	A	B	C	D	E (SL/S0/S1)	F	G
12.1" W	324	226	300	202	29 / 56 / 77	17.5	5.2
15.6" W	411	260	387.5	237.5	29 / 56 / 77	17.5	5.2
18.5" W	476	297	453	274.5	29 / 56 / 77	17.5	5.2
21.5" W	544	334	520	312	29 / 56 / 77	17.5	5.2
24" W	599	367	576	344.5	29 / 56 / 77	23.5	5.2

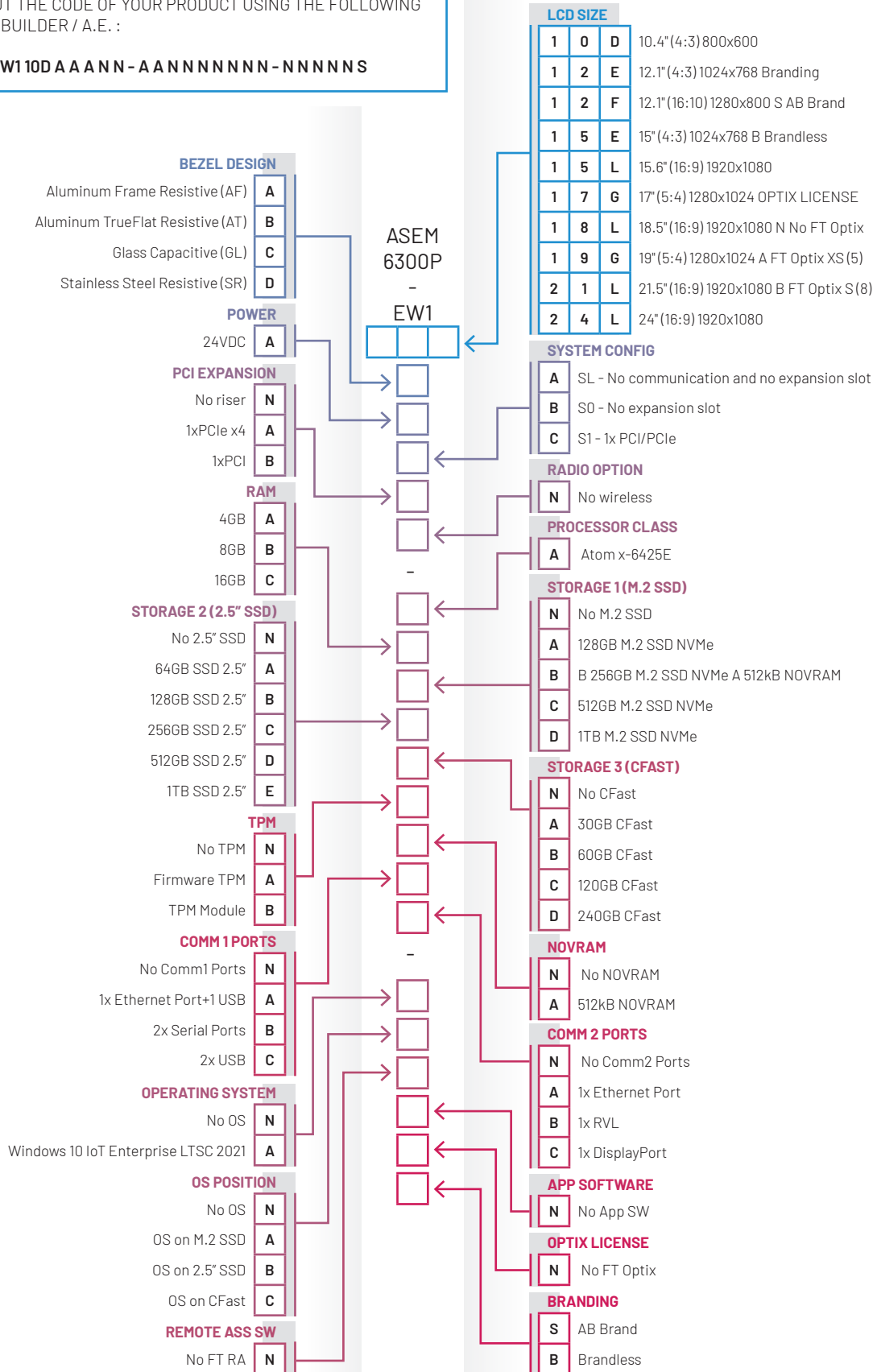
CPU COMPARISON TABLE



CATALOG BUILDER*

WRITE OUT THE CODE OF YOUR PRODUCT USING THE FOLLOWING CATALOG BUILDER / A.E. :

6300P - EW1 10D A A A N N - A A N N N N N N N - N N N N N S



*Not all configurations and/or combinations are available

TECHNICAL DATA

6300P-EW1

LED backlight TFT LCD		12.1" W - 1280x800 (16:10) 15.6" W - 1920x1080 (16:9) 18.5" W - 1920x1080 (16:9) 21.5" W - 1920x1080 (16:9) 24"W - 1920x1080 (16:9)			10.4" - 800x600 (4:3) 12.1" - 1024x768 (4:3) 15.0" - 1024x768 (4:3) 17" - 1280x1024 (5:4) 19" - 1280x1024 (5:4)
FRONT USB		-		1x USB 2.0 (Type-A), protected	
FRONT PANEL	Design	Aluminum Frame (AF)	Glass (GL)	Stainless Steel (SR)	Aluminum Frame (AF) Aluminum TrueFlat (AT)
	Touchscreen	Resistive 5 wires	P-CAP Multitouch	Resistive 5 wires	
	Logo	AB or brandless			
PROTECTION GRADE	IP rating	IP65 - frontal	IP69K - frontal	IP65 - frontal	
	NEMA rating	UL Type 1, 4x (indoor only)	UL Type 1, 4x (indoor only) and 12		
CASE	Installation	Panel mounting			
	Material	Zinc-coated skin pass steel			
PROCESSOR (soldered on-board)	CPU	Intel Atom® x6425E 2.00GHz (3.00GHz Burst) • 64bit • 4 cores / 4 threads • 1.5MB L2 cache • 10nm			
	Chipset	Intel® Elkhart Lake PCH (Platform Controller Hub) • Included into processor chip (SoC)			
	Video Controller	Intel® UHD Graphics integrated			
TPM	Intel® PTT (TPM integrated) Discrete TPM (optional)				
SYSTEM MEMORY RAM	4GB (LPDDR4x) 8GB (LPDDR4x) 16GB (LPDDR4x)				
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 x2 SSD (up to 1TB)			
	2.5" SATA SSD only S0/S1 versions	1x onboard connector for 2.5" SATA III SSD with internal installation kit			
INTERFACES	LAN	1x 2.5 Gigabit Ethernet (RJ45) + 2x Gigabit Ethernet (RJ45)			
	USB	4x USB 3.2 Gen2 (Type-A) 10Gbps			
	SERIAL	1x RS232/422/485 (DB9M)			
	VIDEO	1x DisplayPort++ v1.4a			
ADD-ON INTERFACES (optional) not available for SL version	Position A (max 1)	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 (max 1)	1x 2.5 Gigabit Ethernet (RJ45) 1x RVL (remote video link RJ45) 1x DisplayPort++ v1.4a			
EXPANSION SLOTS	only S1 version	1x PCI half-length or 1x PCIe x4* half-length, 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 external access				
O.S. CERTIFIED	Microsoft Windows 10 IoT Enterprise LTSC 2021 64bit				
OPERATING TEMPERATURE	0°C ÷ 50°C				
STORAGE TEMPERATURE	-10°C ÷ 60°C				
OPERATING/STORAGE RELATIVE HUMIDITY	20% ÷ 90% RH (non-condensing)				
APPROVALS	CE UKCA cULus Listed Cmim - Morocco KCC - Korea RCM - Australia and New Zealand REACH RoHS compliant				

*x4 mechanical, x2 electrical

ASEM S.r.l.
Via Buia 4
33011 Artegn (UD) | Italia

Phone: +39/0432-9671
Fax: +39/0432-977465

email: industrialautomation@asem.it
website: www.asemautomation.com