

SIMATIC BX-39A Extra High Performance, Intel Xeon W-11865MLE (1.5/4.5 GHz, 8C/16T), 4 x USB, 4 x Ethernet, 1 x PCIe and portrait mounting, 16 GB RAM, M.2 SSD 256 GB Eco, Windows 10 IoT Enterprise 2021 LTSC, 24 V DC industrial power supply (premium, power failure, isolated with bridging time)



General information	
Product type designation	BX-39A
Installation type/mounting	
Mounting	Portrait installation kit
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
Mains buffering	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	20 ms
Input current	
Current consumption (rated value)	2.81 A
Current consumption, max.	4 A
Processor	
Processor type	Intel® Xeon W-11865MLE (1.5 / 4.5 GHz, 8C/16T)
Chipset	Intel® RM590E
Graphic	
Graphics controller	Intel HD graphics controller
Drives	
Hard disk	M.2 SSD 256 GB Eco
SSD	Yes; 256 GB
Memory	
Type of memory	DDR4-3200 SO-DIMM
Main memory	16 GB RAM
Capacity of main memory, max.	32 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> Number of PCI slots 	1
<ul style="list-style-type: none"> Number of compact flash slots 	0
Interfaces	
Number of industrial Ethernet interfaces	4; 4x Gigabit Ethernet (IE/PN)
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	2x DisplayPort
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps 	Yes Yes
Interrupts/diagnostics/status information	

LED status display	1x power, 3x user	
Bus diagnostics	Yes	
Integrated Functions		
Monitoring functions		
<ul style="list-style-type: none"> • Temperature monitoring 	Yes	
<ul style="list-style-type: none"> • Fan 	No	
<ul style="list-style-type: none"> • Monitoring function via network 	Optional	
Degree and class of protection		
IP degree of protection	IP20	
Standards, approvals, certificates		
CE mark	Yes	
UKCA mark	Yes	
CSA approval	Yes	
UL approval	Yes; UL 61010-2-201 Second Edition, File E85972	
<ul style="list-style-type: none"> • UL 508 	No	
cULus	Yes	
RCM (formerly C-TICK)	Yes	
KC approval	Yes	
EAC (formerly Gost-R)	Yes	
FCC	Yes	
BSMI	No; in preparation	
BIS	Yes	
Marine approval		
<ul style="list-style-type: none"> • Germanischer Lloyd (GL) 	Yes	
<ul style="list-style-type: none"> • American Bureau of Shipping (ABS) 	Yes	
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	Yes	
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	Yes	
<ul style="list-style-type: none"> • Korean Register of Shipping (KRS) 	Yes	
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	Yes	
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (Class NK) 	Yes	
Ambient conditions		
Ambient temperature during operation		
<ul style="list-style-type: none"> • min. 	0 °C	
<ul style="list-style-type: none"> • max. 	55 °C	
Ambient temperature during storage/transportation		
<ul style="list-style-type: none"> • min. 	-40 °C	
<ul style="list-style-type: none"> • max. 	70 °C	
Altitude during operation relating to sea level		
<ul style="list-style-type: none"> • Installation altitude above sea level, max. 	3 000 m	
Relative humidity		
<ul style="list-style-type: none"> • Operation, max. 	85 %	
Vibrations		
<ul style="list-style-type: none"> • Vibration resistance during operation acc. to IEC 60068-2-6 	tested according to IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s ²	
Operating systems		
pre-installed operating system	Windows 10 IoT Enterprise 2021 LTSC, Industrial OS	
pre-installed operating system		
<ul style="list-style-type: none"> • Windows 7 	No	
<ul style="list-style-type: none"> • Windows 10 Enterprise 	Yes; Windows 10 IoT Enterprise 2021 LTSC	
Mechanics/material		
Enclosure material (front)	Continuous-cast aluminum	
Dimensions		
Width	262 mm	
Height	139.7 mm	
Depth	93.2 mm	
Classifications		
	Version	Classification
eClass	14	19-20-01-02

eClass	12	19-20-01-02
eClass	9.1	19-20-01-02
eClass	9	19-20-01-02
eClass	8	19-20-01-02
eClass	7.1	19-20-01-02
eClass	6	19-20-01-02
ETIM	10	EC001413
ETIM	9	EC001413
ETIM	8	EC001413
ETIM	7	EC001413

Approvals / Certificates

General Product Approval



[Miscellaneous](#)



[BIS CRS](#)

General Product Approval For use in hazardous locations Maritime application

[KC](#)



[Miscellaneous](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)

[CCS \(China Classification Society\)](#)



Dangerous goods Environment

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