

Siemens
EcoTech



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	
• 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
Storage	
Type of memory	DDR4-3200 SO-DIMM
Main memory	16 GB RAM
Capacity of main memory, max.	32 Gbyte
Hardware configuration	
Slots	
• Number of PCI slots	1
• Number of compact flash slots	0
Interfaces	
Number of industrial Ethernet interfaces	4; 4x Gigabit Ethernet (IE/PN)
Video interfaces	
• Graphics interface	2x DisplayPort
Industrial Ethernet	
• Industrial Ethernet interface	

— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
LED status display	1x power, 3x user
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
• Fan	No
• 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 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	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	55 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	3 000 m
Relative humidity	
• Operation, max.	85 %
Vibrations	
• 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	
• Windows 7	No
• Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2021 LTSC
Mechanics/material	
Enclosure material (front)	Continuous-cast aluminum
Dimensions	
Width	262 mm
Height	139.69999 mm
Depth	93.2 mm
Classifications	

	Version	Classification
eClass	16	19-20-01-02
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](#)



General Product Approval

For use in hazardous locations

[BIS CRS](#)



For use in hazardous locations

Maritime application



[Miscellaneous](#)



Maritime application

Dangerous goods

Environment

[NK / Nippon Kaiji Kyokai](#)

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

[KR \(Korean Register of Shipping\)](#)

[Dangerous goods information](#)



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