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Data sheet 6AG4152-3GB10-0AB1

SIMATIC IPC BX-32A HD graphic onboard, 4x USB 3.2 PCIe (optional) Intel Xeon W-11155MLE (1.8/3.1 GHz, 4C/8T); wall mounting with 1 x PCIe; 8 GB; M.2 SSD 256 GB Eco; without 2nd mass storage: without operating system; without option 1; USB restore stick with D&D and software image (if selected) 9-36 V DC industrial power supply (wide range)

General information	
Product type designation	BX-32A
Installation type/mounting	
Mounting	DIN rail, wall mounting, portrait mounting
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	9 - 36 V DC
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Intel® Celeron 6600HLE (2.1 GHz, 2C/2T) Intel® Xeon W-11155MLE (1.8/3.1 GHz, 4C/8T) Intel® Xeon W-11555MLE (1.9/4.4 GHz, 6C/12T) Intel® Xeon W-11865MLE (1.5/4.5 GHz, 8C/16T)
Chipset	Intel® RM590E
Graphic	
Graphics controller	Intel® UHD Graphics 16 EUs (for Intel® Celeron® 6600HLE and Intel® Xeon® W-11155MLE) / Intel® UHD Graphics 32 EUs (for Intel® Xeon® W-11555MLE and Intel® Xeon® W-11865MLE)
Drives	
Hard disk	M.2 SSD ≥ 240 GB
SSD	Yes; 256 GB Eco
Storage	
Type of memory	DDR4-3200 SO-DIMM
Main memory	4 / 8 / 16 / 32 GB
Capacity of main memory, max.	32 Gbyte
Hardware configuration	
Slots	
● Number of PCI slots	0; Optional
● Number of compact flash slots	0
Interfaces	
Number of industrial Ethernet interfaces	2; 2x Gigabit Ethernet (IE/PN), RJ45
serial interface	2x / 4x (optional) COM (RS 232 / 485 / 422; selectable)
Video interfaces	
● Graphics interface	2x DisplayPort (DP1.4-capable): maximum 4096 × 2304 / 60 Hz / 36 bit
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
LED status display	No
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
● Temperature monitoring	No
● Fan	No
● Monitoring function via network	Optional
Degree and class of protection	
IP degree of protection	IP20

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Standards, approvals, certificates	
CE mark	Yes
UKCA mark	Yes
CSA approval	Yes
UL approval	Yes; UL 61010-2-201 Second Edition, File E472609
● UL 508	No
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	No
FCC	Yes
BSMI	No; in preparation
BIS	Yes
Use in hazardous areas	
● ATEX Zone 2	No
● IECEx Zone 2	No
● cULus Class I Zone 2, Division 2	No
Marine approval	
● Germanischer Lloyd (GL)	No
● American Bureau of Shipping (ABS)	No
● Bureau Veritas (BV)	No
● Det Norske Veritas (DNV)	No
● Korean Register of Shipping (KRS)	No
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (Class NK)	No
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °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/s²
Operating systems	
pre-installed operating system	Windows 10 IoT Enterprise 2021 LTSC, Industrial OS
without operating system	Yes; Optional
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	255 mm
Height	133 mm
Depth	75 mm
Approvals / Certificates	
General Product Approval	

BIS CRS

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Dangerous goods

Dangerous goods information

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