

BM100



The little things make the difference

High-performance within minimum space

Ideally suited for applications with limited space conditions, the BM100 impresses not only with its compact dimensions, but also with its performance. Based on the Intel Apollo Lake platform, the device can be individually adapted to customer requirements:

- Intel® Atom™ x5-E3930 Dual-Core or x7-E3950 Quad-Core CPU
- Up to 8GB LP-DDR4
- Up to 512 GB mass storage
- 2x USB 3.0, 2x Ethernet, 1x DisplayPort V1.2
- Dimensions (WxHxD) 100 x 100 x 39 mm

The BM100 combines outstanding performance with minimal space. Equipped with the Codesys SoftPLC, integrated remote maintenance solution UBIQUITY and UNIQO HMI visualization platform, the BM100 is perfectly suited for IoT gateways and complete PC-based automation solutions.



UNIQO



CODESYS



UBIQUITY

Solutions for the Open **Automation**





Book



DIN rail



Wall

Technical data

BM100	
REMOTE ASSISTANCE SW	ASEM UBIQUITY BASIC
PROCESSOR (soldered)	Intel® Atom™ x5-E3930 1.3GHz (1.8GHz Burst), 2 cores / 2 threads, 2MB L2 cache, 14nm
	Intel® Atom™ x7-E3950 1.6GHz (2.0GHz Burst), 4 cores / 4 threads, 2MB L2 cache, 14nm
VIDEO CONTROLLER	Intel® HD Graphics 500 integrated in x5-E3930, 400/550MHz
	Intel® HD Graphics 505 integrated in x7-E3950, 500/650MHz
SYSTEM MEMORY - RAM	2GB or 4GB or 8GB (1 x LP-DDR4 soldered)
MASS STORAGE	1 x onboard connector for direct insertion of M.2 size 2242 key B SSD SATA III
LAN	2 x LAN 10/100/1000Mbps (2 x Intel® I210)
USB	2 x USB 3.0 (Type-A)
VIDEO OUTPUT	1 x Display Port V1.2
POWER SUPPLY INPUT	24VDC (18 ÷ 32VDC) isolated
CASE	Installation
	Material
O.S. CERTIFIED	Aluminium Alloy
	Microsoft Windows 10 IoT Enterprise 2016 64 bit
OPERATING TEMPERATURE	0°C ÷ 50°C
APPROVALS	CE, cULus LISTED (61010) pending

Software options:

- Codesys SoftPLC
- Codesys SoftPLC and SoftMotion
- UNIQUO HMI Visualization
- UBIQUITY Pro Remote Assistance

