

SEMI INDUSTRIAL
COMPUTING



OFFICE / WORKSTATION



SIGNAGE



Fanless BL1000



- Scalable performance: AMD Ryzen 5 8500G, Ryzen 7 8700G
- Fanless / no-noise
- AI-ready

Fanless BL1000 is a unique AMD Ryzen 8000 – based Mini Computer without any fans.

It features up to 8 performance cores, an integrated NPU as well as up to 128GB RAM



IPC
FANLESS BL1000

PN: TBD

Issued: 08/25
Status: released

Factsheet

Physical properties	
Chassis	Full-metal aluminium construction, natural anodized
Dimensions	250x250x88 mm (WxDxH)
Cooling	Passive by heatpipes
Mounting options*	Mounting threads on the bottom, Wallmount bracket
Weight	3.0 kg
Hardware	
Formfactor / Mainboard	Mini-ITX / Asus Pro A620AT-CSM
CPU	AMD Ryzen 5 8500G AMD Ryzen 5 PRO 8500G AMD Ryzen 7 8700G AMD Ryzen 7 PRO 8700G
RAM	4, 8, 16, 32, 64, 128 GB DDR5 (ECC optional)
Storage	1x 250GB – 2TB m.2, 2x 250GB – 4TB 2.5"
Graphics	AMD Radeon, 1x HDMI 2.0, 1x Displayport
Communication	
WLAN*	802.11 b/g/n/ac + Bluetooth
LTE*	-
Others	-
I/O	
I/O front	2x USB 2.0 Optional in addition: 1x USB 3.2 gen1 type-c + 1x USB 3.2 gen2 type-c (5V/3A max)
I/O back	2x USB 3.2gen1, 2x USB 3.2gen 2x1, 1x RJ GLAN, 1x HDMI, 1x DP, 2x Audio, 1x RS232
I/O internal**	5x USB 2.0, 1x USB 3.1, 1x USB 3.2 gen 2 (for Type-C), 1x LVDS, 1 RS232, 2x SATA, 1x m.2 key E, 1x m.2 key M, 1x SPI, 1x Frontpanel Header, 1x chassis intrusion
Power supply	
PSU	90W external adapter
Power input	19V DC, 5.5x2.5 mm barrel plug
Redundancy	-
Power draw	Idle: ~9W, full-load: ~75W
Compatibility	
OS	Windows 10 / 11 (IoT), Linux
Others	
Environment	
Operating temp. range / Humidity	0..40°C / 10...95%, non-condensing
Protection class	IP50
Compliance	
Conformity	CE, RoHS, REACH
General	
Scope of delivery	IPC, documentation, PSU, certificate of conformity
Language	EN, DE
Long-term-availability	-
Warranty	3 years, optional 4, 5 years*
Country of Origin	Germany
Tariff code	84715000

*Depending on actual system configuration / may require optional accessory

**Maybe occupied due to acutal system configuration