

NETWORKING



DIGITAL SIGNAGE



SERVER-BASED
COMPUTING



EMBEDDED



Fanless IM0820



- 6x 2.5GLAN controller
- Fanless, silent, maintenance-free operation
- WLAN + LTE option
- Ultra-flat: Only 36.4 mm in height

Fanless IM0820 is a powerful and compact networking appliance equipped with 6x Intel 2.5GLAN controllers

Numerous different assembly options are available. The system is prepared for Wall- / VESA and DIN-rail mounting

Factsheet

Physical properties

Chassis	Full-metal aluminium construction, black anodized
Dimensions	214x211x36,4 mm (WxDxH)
Cooling	Passive
Mounting options*	Mounting threads, DIN-rail, VESA
Weight	0,8 kg

Hardware

Formfactor	Thin Mini-ITX
CPU	Intel Celeron J6412, 4x 2.0 – 2.6 GHz
RAM	2, 4, 8, 16 GB DDR4
Storage	60GB – 2TB m.2
Graphics	Intel HD, 1x HDMI: full-HD@60Hz

Communication

WLAN*	802.11 b/g/n/ac + Bluetooth* or AX module
LTE*	4G / 5G *
Others	Upon request

I/O

I/O front	1x RS232/422/485 + 1x RS232 (2x RS232 upon request), 2x USB 2.0, 1x HDMI, 6x LAN act. LEDs
I/O back	1x USB 3.1 (gen2), 1x USB 2.0, 1x HDD/PWR LED, 6x RJ45 (Intel 2.5GLAN)
I/O internal**	1x m.2 2242, 1x m.2 2230, 1x m.2 B3042, 1x SIM socket, 1x PS/2, SMBus

Power supply

PSU	60W external adapter
Power input	12 DC-In
Redundancy	-
Power draw	Idle: ~6W, full-load: ~12W

Compatibility

OS	Windows 10 / 11, Linux
Others	-

Environment

Operating temp. range / Humidity	0..50°C / 10...95%, non-condensing
Protection class	IP50

Compliance

Conformity	CE, RoHS, REACH
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General

Scope of delivery	IPC, documentation, PSU, certificate of conformity
Language	EN, DE
Long-term-availability	Until 2028
Warranty	3 years, 4/5 years*
Country of Origin	Germany
Tariff code	84715000

*Depending on actual system configuration / may require optional accessory

**Maybe occupied due to actual system configuration