

BOX J6412



Ultra-compact, energy-saving mini PC for digital signage and industry

The BOX J6412 is an extremely compact and energy-efficient mini PC that is ideal for industrial applications and digital signage. Measuring just 44 x 118 x 109 mm, it fits into any environment, even where space is at a premium. Powered by an Intel® Celeron® J6412 processor with up to 2.6 GHz, supported by Intel® UHD Graphics, it reliably processes content and applications at a TDP of just 8 watts. The passively cooled housing ensures silent operation and minimal maintenance, making the BOX J6412 particularly interesting for industrial installations and energy-efficient projects.

Technische Daten

System

CPU	Intel® Celeron J6412 (FCBGA1493, 4 cores)
GPU	Intel® UHD Graphics
RAM	16 GB SO-DDR4 (up to 32 GB)
SSD / HDD	512 GB M.2 NVMe SSD (up to 1 TB)

I/Os

Front	1 x PowerButton 1 x Line-Out 1 x COM RS232 / 422 / 485 2 x USB 3.2 Gen 2x1
Back	2 x HDMI 2.0 2 x Gigabit LAN 2 x USB 3.2 Gen 2x1

Environment / Mass

Dimensions (W x D x H)	118 mm x 109.4 mm x 44.4 mm
Ambient conditions (operation)	0°C to +50°C
Cooling	passive
Idle power consumption in W	8

Extensions

M.2	KeyM 2280 KeyE 2230
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Miscellaneous

Operating system	Windows 10 / 11, Linux
PSU	12-19V / 3.42-5.42A
Standards & Certificates	CE, FCC
Class A warning	The device is intended for use in industrial environments. Operation of this device may cause radio interference in residential areas.
Warning for 802.11a use	If you want to use the WLAN module according to 802.11a in the 5 GHz range: Use in the 5150 MHz – 5350 MHz frequency range is only permitted indoors!
