

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
-----	---------------------

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!
-------------------------	---
