COMPACT DESIGN
FLEXIBLE CONNECTIVITY

IMAGO N6E box

RELIABILITY • CONNECTIVITY • FLEXIBILITY



- INTEL ELKHART LAKE
- FANLESS COOLING
- UP TO 16 GB DDR4
- UP TO 4 2.5 GbE LAN
- 2 COM PORTS

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FEATURES AND APPLICATIONS



A COMPACT PLATFORM FOR CONNECTED APPLICATIONS

IMAGO N6E box combines a compact fanless chassis with flexible network connectivity. Intel Elkhart Lake processors, up to four 2.5 GbE LAN ports, two serial ports and optional wireless expansion make it suitable for automation, retail and embedded installations.

KEY FEATURES

FANLESS DESIGN
Quiet passive cooling.

ELKHART LAKE
Intel Celeron and Pentium options.

FLEXIBLE NETWORK
2 LAN standard;
3 or 4 LAN optional.

INDUSTRIAL I/O
2 COM ports and 8-channel GPIO.

M.2 STORAGE
NVMe or SATA SSD support.

WIRELESS EXPANSION
Wi-Fi / Bluetooth and 4G / 5G options.

UP TO	DISPLAY	DIMENSIONS (W × D × H)	POWER
16 GB DDR4	4K AT 60 Hz	161 × 125 × 65 mm	12 V / 19 V DC

Optional modules and accessories depend on the selected configuration.

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CONNECTIVITY AND DIMENSIONS

FRONT I/O



- 2 × USB 3.1 Gen 1
- 2 × COM
- mic-in
- SIM slot
- power button
- 8-channel GPIO

GPIO terminal block optional; COM1 supports optional RS232 / RS422 / RS485.

REAR INTERFACES

NETWORK CONFIGURATION	REAR USB 2.0	STATUS
2 × 2.5 GbE LAN	8 ports	**Standard**
3 × 2.5 GbE LAN	6 ports	Optional
4 × 2.5 GbE LAN	4 ports	Optional

HDMI 2.0 | DC input (12 V / 19 V) | 2.5 GbE LAN ports (2 / 3 / 4 ports) | line-out | 2 × antenna connectors

DIMENSIONS

WIDTH
161 mm

DEPTH
125 mm

HEIGHT
65 mm

Black — standard
Silver — optional



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TECHNICAL SPECIFICATION

Processor	Intel Elkhart Lake Celeron J6412 / J6413 / N6210 / N6211; Pentium J6426 / N6415
Graphics	Intel UHD Graphics; single-display support
Memory	1 x SODIMM DDR4 3200 MHz, up to 16 GB
Cooling	Fanless thermal block with integrated chassis heat dissipation
HDMI	1 x HDMI 2.0; 4096 / 3840 x 2160 at 60 Hz
Network	Default 2 x RJ45; optional 3 or 4 x RJ45; Realtek 8125BGS 2.5 GbE; Wake on LAN / PXE
USB 3.1	2 x USB 3.1 Gen 1 on front panel
USB 2.0	Rear: 8 ports with 2 LAN; 6 ports with 3 LAN; 4 ports with 4 LAN
Serial ports	2 x COM, RS232 by default; COM1 optionally RS232 / RS422 / RS485
GPIO	8-channel GPIO; optional terminal block; configurable input / output combinations
Audio	Front microphone input; rear line-out
SIM	1 x SIM card slot for optional 4G / 5G use
Storage	1 x M.2 Key-M 2280; NVMe PCIe 3.0 x2 / SATA dual-protocol SSD
Drive bay	No internal 2.5-inch or 3.5-inch SSD / HDD bay
Wi-Fi expansion	M.2 Key-E 2230, PCIe 3.0 x1; optional Wi-Fi / Bluetooth module; 2 antenna connectors
Cellular expansion	M.2 Key-B; 5G 3052 / 3042 or 4G 3042 module
Power input	12 V / 19 V DC; connector 5.5 x 2.5 mm
Power supply	Recommended minimum: 12 V 4 A or 19 V 3 A
Dimensions	161 x 125 x 65 mm
Colour	Black as standard; silver optional
Operating temperature	-10°C to +60°C
Storage temperature	-20°C to +70°C
Relative humidity	5–95% RH, non-condensing
Operating vibration	0.5 g rms; 5–500 Hz; random, operating
BIOS	AMI BIOS; power-on boot, scheduled boot, remote power-on / off, intelligent device recognition
Watchdog	Programmable hardware reset; 256 levels, 0-255 seconds
OS compatibility	Windows 11 / Windows 10 / Linux

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PROCESSOR AND CONFIGURATION OPTIONS

Processor list provided as a platform reference.
Confirm availability and final configuration with the sales team.

FAMILY	MODEL	CORES / BASE CLOCK	MAX TURBO	TDP
Intel Celeron	J6412	4 cores / 2.0 GHz	2.6 GHz	10 W
Intel Celeron	J6413	4 cores / 1.8 GHz	3.0 GHz	10 W
Intel Celeron	N6210	2 cores / 1.2 GHz	2.6 GHz	6.5 W
Intel Celeron	N6211	2 cores / 1.2 GHz	3.0 GHz	6.5 W
Intel Pentium	J6426	4 cores / 2.0 GHz	3.0 GHz	10 W
Intel Pentium	N6415	4 cores / 1.2 GHz	3.0 GHz	6.5 W

NETWORK	REAR USB 2.0	STATUS
2 × 2.5 GbE LAN	8 ports	Standard
3 × 2.5 GbE LAN	6 ports	Optional
4 × 2.5 GbE LAN	4 ports	Optional



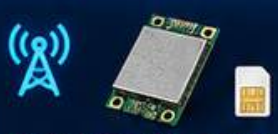
Silver enclosure — optional



Black enclosure — standard



Wi-Fi / Bluetooth
(optional)



4G / 5G module + SIM
(optional)



COM1
RS232 / RS422 / RS485
(optional)



GPIO terminal block
(optional)

IMPORTANT

Images are illustrative. Ports, processor, modules and accessories depend on the ordered configuration. Accessories are not included by default; confirm requirements before ordering.

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