

# NPP-156P01

Siemens Certified Edge Industrial Panel PC 15.6 inch

**BRESSNER**  
A ONE STOP SYSTEMS COMPANY

## Features

- 15.6" Full HD 1920x1080, TFT-LCD
- Intel® Celeron® Processor J6412
- 2 x SO-DIMM, DDR4 3200MHz, up to 32GB
- Siemens Certified Industrial Edge
- Fanless, modular design
- IP66 aluminum front panel, 7H hardened glass



## Siemens-certified Industrial Edge Devices

The models NPP-156P01 and NPP-215P01 are the first certified Panel PCs in the Siemens Industrial Edge Ecosystem. They enable machine builders and plant operators to centrally or remotely connect, manage, and operate machines by integrating Siemens Industrial Edge Runtime. Siemens Industrial Edge is an open, ready-to-use edge computing platform that includes applications, OT and IT connectivity, devices, and a central management system. This platform facilitates the integration of data sources from manufacturing and IT, offers central device management with maximum scalability, and supports production analytics and preventive maintenance to optimize machine uptime.

## High-performance Panel PC for Industry

The NPP-156P01 Industrial Panel PC delivers outstanding performance and versatility for industrial applications. Equipped with an Intel® Celeron® Processor J6412 (Elkhart Lake) up to 2.6 GHz, this Panel PC provides fast and efficient data processing. Its 15.6-inch Full HD 1920x1080 TFT-LCD display with Projected Capacitive Touch ensures precise and responsive operation. The IP66-certified aluminum front panel and steel chassis ensure robustness and durability. Additionally, the device features two GbE Ethernet ports, four COM ports, and five USB ports for versatile connectivity. The fanless, modular, and detachable design makes the NPP-156P01 particularly maintenance-friendly and ideal for 24/7 operation.

## Industrial Applications and Challenges

In various industries such as manufacturing, automation, and logistics, Industrial Panel PCs are indispensable. Without devices like the NPP-156P01 Industrial Panel PC, businesses often face challenges such as inefficient data processing and inadequate machine connectivity, leading to production delays and higher operating costs. With the introduction of the NPP-156P01, these issues can be addressed as it provides a robust and reliable solution for real-time monitoring and control. Consequently, businesses can optimize their processes and enhance overall productivity.

# NPP-156P01

Siemens Certified Edge Industrial Panel PC 15.6 inch

	NPP-156P01 15.6"
<b>SYSTEM</b>	
CPU	Intel® Celeron® Processor J6412 (Elkhart Lake) 2.0 GHz (up to 2.6 GHz)
Chip	integrated
Software	iFace-Designer® Runtime, Siemens Industrial Edge Runtime, Siemens Industrial Management
RAM	2 x SO-DIMM, DDR4 3200MHz, up to 32GB
HDD	SSD 1 x 2280 M.2 M-Key (PCIe x2, SATA 6Gb/s)
Expansion Slot	1 x Full-size mini PCIe, optional WIFI und 4G LTE
Operating System Support	Windows 10 IoT, Debian 11
<b>DISPLAY</b>	
Display Size	15.6" TFT-LCD
Max. Resolution	1920 x 1080
Touch Type	Projected Capacitive Touch (Resistive Touch as optional)
Luminance	350 cd/m2 (Typ.)
Contrast	800:1
Max. Color	16.7 M
View Angle	178° (H) / 178° (V)
<b>INTERFACE</b>	
Ethernet	2 x GbE Ethernet ports
USB	4 x USB 3.2 Gen 1 x USB 2.0
COM	2 x DB9 (RS-232/422/485 & RI/5V/12V) 2 x DB9 (RS-232/422/485) 2 x DB9 (RS-232)
Video	2x HDMI 2.0
Audio	1 x Line Out
Power Connector	1 x 2 pins terminal block for external power switch 1 x 3 pins terminal block power connector 1 x power switch on/off
<b>ENVIRONMENTAL</b>	
Chassis Material	Aluminum front bezel and steel chassis
Thermal Design	Fanless
Power Input Range	90W / 19V, 3-Pin (9-36V DC optional)
Operating Temperature	0~50° C (32~122° F)
Storage Temperature	-20~60° C (-4~140° F)
Storage Humidity	10 to 90% (non-condensing)
Dimensions (mm)	400.0(W) x 249.1(H) x 87.0(D)
Weight	5.5 kg
Mounting	VESA mounting 100x100mm
IP Rating	IP66-rated aluminum front bezel and steel chassis
Certification	CE, FCC

# NPP-156P01

Siemens Certified Edge Industrial Panel PC 15.6 inch

## Technical drawing

NPP-156P01

