



NF931 – 3.5" SBC Equipped with Quad Core Intel® Celeron Processor

The NF931 is a 3.5" Single Board Computer equipped with an Intel® Celeron Quad Core Processor. This board's small footprint and low power consumption make it both efficient and capable in many industrial applications. The NF931 is an excellent solution for digital signage, retail, automation, and more.

SPECIFICATIONS

CPU	Intel® Celeron J4125 Processor Quad Core up to 2.70 GHz, Intel® Celeron J4105 Processor Quad Core up to 2.50 GHz
Memory Type	260-pin DDR4 2400MHz SO-DIMM
Memory Slots	2
Maximum Memory Supported	8GB
Chipset	Integrated in SoC
Integrated Graphics	Intel® HD Graphics 600
Watchdog Timer	10 ~ 255 min/sec
Video	2 x HDMI, 1 x eDP
LAN Ports	1 x Intel® I211-AT Gigabit LAN
Serial ATA (SATA)	1 x SATA III
Storage	Onboard 32GB eMMC
GPIO Interface	1 x GPIO 8-bit
TPM	Optional Onboard TPM 1.2 or 2.0, contact sales for more information.
Extended Interface	1 x Full-Size Mini-PCIe w/ SIM, 1 x M.2 E-Key 2230 (WiFi), 1 x M.2 M-Key 2242/2280 (SATA & PCIe 3.0 x2 NVMe)
Rear I/O	2 x USB 3.1 Gen1, 2 x USB 2.0, 1 x LAN, 2 x HDMI, 1 x SIM, 1 x Line-Out, 1 x DC Input Jack 12V
Internal I/O	2 x USB 2.0, 1 x RS-232, 1 x eDP, 1 x GPIO header, 1 x 2-pin DC-in Header 12V
Audio	Realtek® ALC662 HD Audio
Power Requirement	12V DC input 2-pin header, 12V DC input jack
Dimensions	5.83" x 4.02" (148mm x 102mm)
Operating Temperature	32 ~ 104°F (0 ~ 40°C)
Storage Temperature	-4 ~ 185 °F (-20 ~ 85 °C)
	Windows 10 64-bit 1709 or newer, Windows 10 IoT 2019 Enterprise 64-bit,

OS Software Supported

CentOS 18.10, Fedora 29.1.2, openSUSE 15, Ubuntu 18.04, pfSense 2.4.4,
FreeNAS 11.2, RedHat Enterprise 7.5, Andriod x86 8.1_rc2

Global P/N / SKU

2809142

Ordering Options

JNF931G32-4125 (SKU# 2809142A): Celeron J4125 3.5" motherboard with 32GB eMMC and flat silver heatsink for directly attaching to surface
JNF931G32-4105 (SKU# 280142B): Celeron J4105 3.5" motherboard with 32GB eMMC and flat silver heatsink for directly attaching to surface