



Main Features

- ◆ Intel® Celeron® J6412, Quad Core 2.0GHz
- ◆ Max. 32GB DDR4 supported
- ◆ Dual display of HDMI and DVI-I
- ◆ 2 x 3.5" SATA HDD support RAID 0,1
- ◆ 1 x 2.5" SATA HDD or SSD/ 1 x M.2 2242 Key B SATA III
- ◆ 1 x 10/100/1000 Intel® Ethernet
- ◆ 1 x 2.5G Intel® Ethernet
- ◆ 16 x 10/100 PoE (120W max PSE)
- ◆ Support TPM 2.0 onboard
- ◆ Support eMMC onboard (optional)

Product Overview

The NRP14162 is equipped with Intel Celeron® J Series, up to 4 Core and 3.0 GHz burst frequency processor, which supports up to 32GB DDR4 3200MHz memory, along with integrated graphics controller, 11th Gen Intel® UHD Graphic support 32EU and 750MHz graphics burst frequency for large display application. Moreover, NRP14162 provides high quality digital recording, real-time display and supports a wide range of megapixel IP cameras. In addition, NRP14162 supports a wide variety of display I/O configurations, including HDMI, DVI-I, one Intel® 1GbE port, one Intel® 2.5GbE port, four USB 2.0, two USB 3.1 Gen1, audio interfaces, 16 channels 10/100 PoE at 16 ports support 802.3af and at 8 ports support 802.3at.

Specifications

CPU

- ◆ Intel® Celeron® J6412, Quad Core 2.0GHz base frequency, up to 3.0 GHz burst frequency

Memory

- ◆ Dual channel DDR4 3200MHz SDRAM, max.32GB

I/O Interface-Front

- ◆ 2 x USB2.0 ports
- ◆ Power & HDD status LED
- ◆ PoE 16 ports status LED

I/O Interface-Rear

- ◆ 2 x RJ45 (1 x 1GbE + 1 x 2.5GbE)
- ◆ 2 x USB 3.1 Gen1 ports
- ◆ 2 x USB 2.0 ports
- ◆ 1 x HDMI 2.0b (supports max. resolution 4096 x 2160 @ 60Hz)
- ◆ 1 x DVI-I
- ◆ 1 x UART port (RS-232/485 setting from BIOS)
- ◆ 1 x Line-in & 1 x Line-out & 1 x MIC
- ◆ Power on/off switch
- ◆ 16 x Ethernet PoE port
 - 802.3af/at compliance with total 2400W max (PSE)
 - 802.3af support 16 ports @ 15W
 - 802.3at support 8 ports @ 30W
- ◆ 1 x 4DI/2DO (relay type) terminal block

Storage

- ◆ 2 x 3.5" SATA HDD support RAID 0,1
- ◆ 1 x 2.5" SATA HDD or SSD
- ◆ 1 x M.2 2242 Key B SATA III

Power Input

- ◆ Adapter 100V~240V 410W

Dimensions

- ◆ 430mm (W) x 44.5mm (H) x 348mm (D)

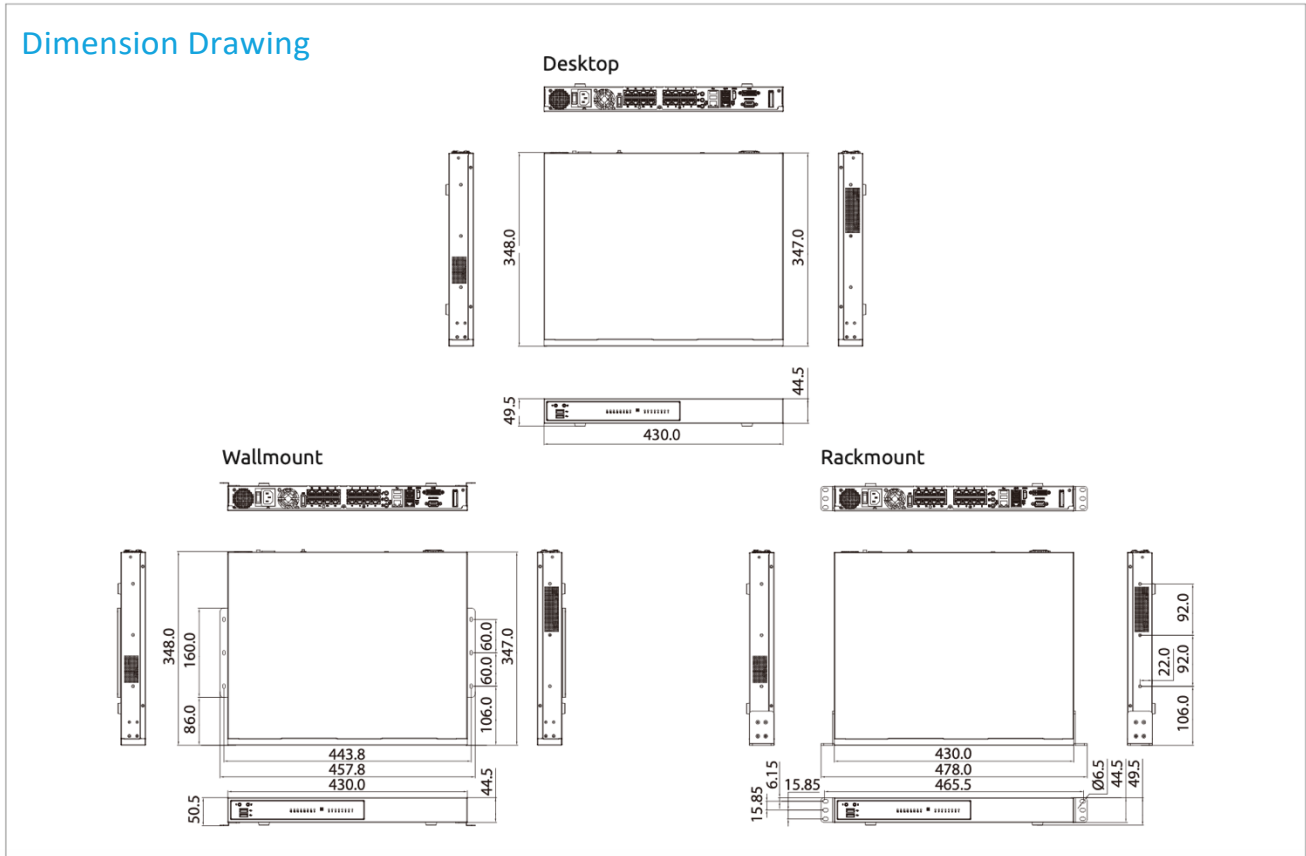
Environment

- ◆ Operating temperature:
 - Ambient with air flow: 0°C~40°C
- ◆ Storage temperature: -20°C~70°C
- ◆ Relative humidity: 10%~90% (non-condensing)

Certification

- ◆ CE approval
- ◆ FCC Class A
- ◆ UL 62368 compliance

Dimension Drawing



Ordering Information

- ◆ NRP14162 (P/N: 10C00141600X0)
NRP14162 Desktop SoC NVR with Intel® Elkhart Lake platform built-in 16-port PoE