

# NCA-10405E

Fanless x86 Network Appliance with Intel® Atom X6413E CPU or Intel Celeron N6210/J6412 Processor  
(Codenamed Elkhart Lake)



## ■ Features

- Onboard Intel® Atom X6413E Or Intel Celeron N6210/J6412 Processor
- DDR4 3200MHz, SODIMM, Max. 32GB, 1x M.2 SATA
- 4x 2.5GbE RJ45 Ports (Support For PoE+ Available With Optional Adapter), 1x Console Port, 1x USB 3.0, 1x Display Port
- 4x Antenna Holes (2x Front & 2x Rear)
- 1x Mini-PCIe, 1x M.2, 2x Nano SIM For WiFi/5G/LTE (SKU A/B)

## ■ Specifications

| Processor System |                                                                            |
|------------------|----------------------------------------------------------------------------|
| CPU              | Intel® Atom X6413E Or Intel Celeron N6210/J6412                            |
| Frequency        | 1.5GHz/2.0GHz/1.2GHz                                                       |
| Core Number      | 4/2                                                                        |
| BIOS             | AMI SPI Flash BIOS                                                         |
| Chipset          | SoC                                                                        |
| Memory           |                                                                            |
| Technology       | DDR4 3200 MHz SODIMM                                                       |
| Max. Capacity    | 32 GB                                                                      |
| Socket           | 1 x 260-pin SODIMM                                                         |
| Ethernet         |                                                                            |
| Controller       | Intel i226V                                                                |
| Speed            | 10/100/1000/2500 Mbps                                                      |
| Interface        | 4x 2.5GbE RJ45 (SKU A/B: Support For PoE+ Available With Optional Adapter) |
| Bypass           | N/A                                                                        |
| Storage          |                                                                            |
| Type             | SATA                                                                       |
| Installation     | 1 x M.2 (SATA) 2280 B-Key                                                  |
| I/O              |                                                                            |
| Reset Button     | 1 x Reset Button, Software Reset                                           |
| Console          | 1 x RJ45                                                                   |
| USB              | USB 3.0 x 1                                                                |
| IPMI             | N/A                                                                        |
| Display          | 1 x Display Port (No Audio)                                                |
| Expansion        |                                                                            |
| PCIe             | N/A                                                                        |

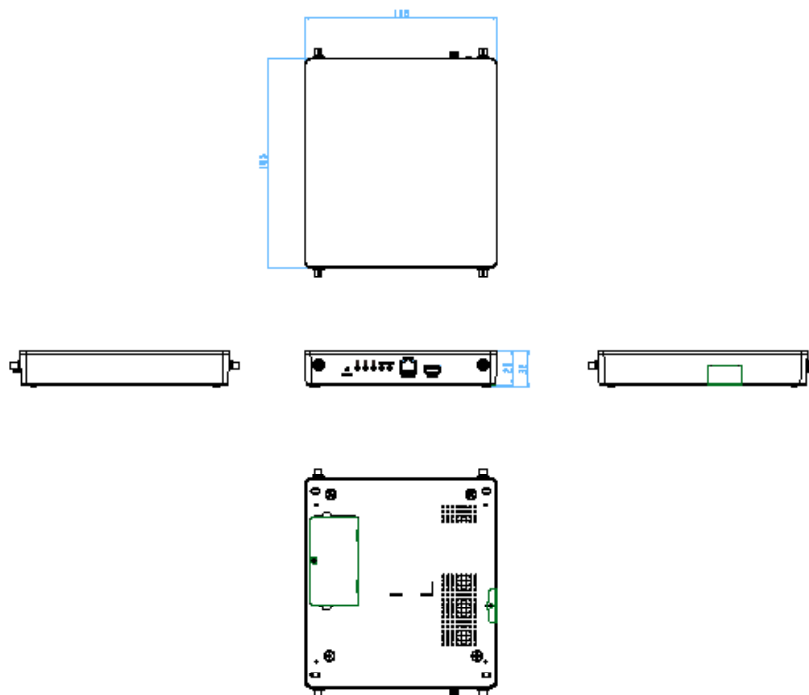
| PCI                          | N/A                                                                     |
|------------------------------|-------------------------------------------------------------------------|
| Mini-PCIe/M.2                | SKU A/B: 1x Mini-PCIe (USB2.0)<br>SKU A/B: 1x M.2 (USB 3.1) 3042/3052 B |
| SIM                          | Key<br>SKU A/B: 2 x Nano SIM                                            |
| Cooling                      |                                                                         |
| Processor                    | Fanless                                                                 |
| System                       | 1x 5-pin Fan Connector (Optional)                                       |
| Environment                  |                                                                         |
| Operating Temperature        | 0 ~ 40°C                                                                |
| Storage Temperature          | -40 ~ 70°C                                                              |
| Relative Humidity            | 5% ~ 90%, Operating<br>5% ~ 95%, Non-operating                          |
| Miscellaneous                |                                                                         |
| LCD Module                   | N/A                                                                     |
| Watchdog Timer               | Yes                                                                     |
| Internal RTC with Li Battery | Yes                                                                     |
| Mechanical                   |                                                                         |
| Fanless                      | Yes                                                                     |
| Dimension (W x H x D)        | 183 x 32 x 168 mm                                                       |
| Weight                       | 0.9 kg                                                                  |
| Mounting                     | Rackmount/Wallmount (Optional Kit)                                      |
| Power                        |                                                                         |
| Type / Watts                 | 40W Power Adapter                                                       |
| Input                        | AC 100~240V@50~60 Hz                                                    |
| Driver Support               |                                                                         |
| Microsoft Windows            | N/A                                                                     |
| Linux                        | Linux, Yocto                                                            |
| Certification                |                                                                         |
| EMC                          | CE/FCC Class B (Class A with PoE)                                       |
| Safety                       | RoHS, UL, VCCI, UKCA                                                    |

## Product I/O View



- |                                  |                                                                             |                     |
|----------------------------------|-----------------------------------------------------------------------------|---------------------|
| <b>A</b> Power On/Off            | <b>D</b> 4x 2.5 GbE RJ45 (Support For PoE+ Available With Optional Adapter) | <b>G</b> Status LED |
| <b>B</b> DC Jack                 | <b>E</b> Display Port                                                       | <b>H</b> Console    |
| <b>C</b> DC +54V (Optional PoE+) | <b>F</b> Reset Button                                                       | <b>I</b> USB 3.1    |

## Dimensions 183 x 32 x 168 mm



## Ordering Information

|             |                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------|
| NCA-1040SEA | 4-core 1.5GHz, Intel® Atom X6413E (Elkhart Lake), 4x 2.5GbE RJ45, 1x DDR4 SO-DIMM, 40W Adapter   |
| NCA-1040SEB | 4-core 2.0GHz, Intel® Celeron J6412 (Elkhart Lake), 4x 2.5GbE RJ45, 1x DDR4 SO-DIMM, 40W Adapter |
| NCA-1040SEC | 2-core 1.2GHz, Intel® Celeron N6210 (Elkhart Lake), 4x 2.5GbE RJ45, 1x DDR4 SO-DIMM, 40W Adapter |

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contact@lannerinc.com | www.lannerinc.com