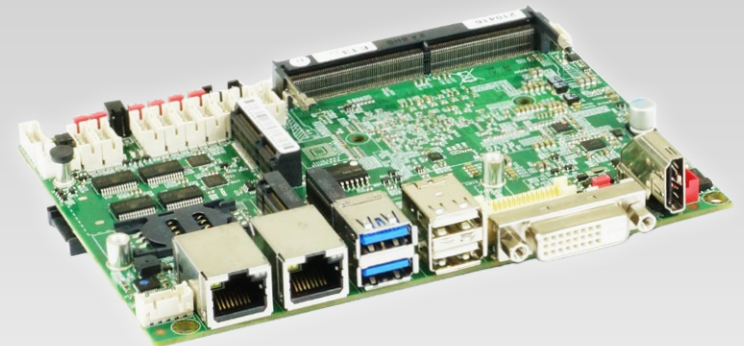
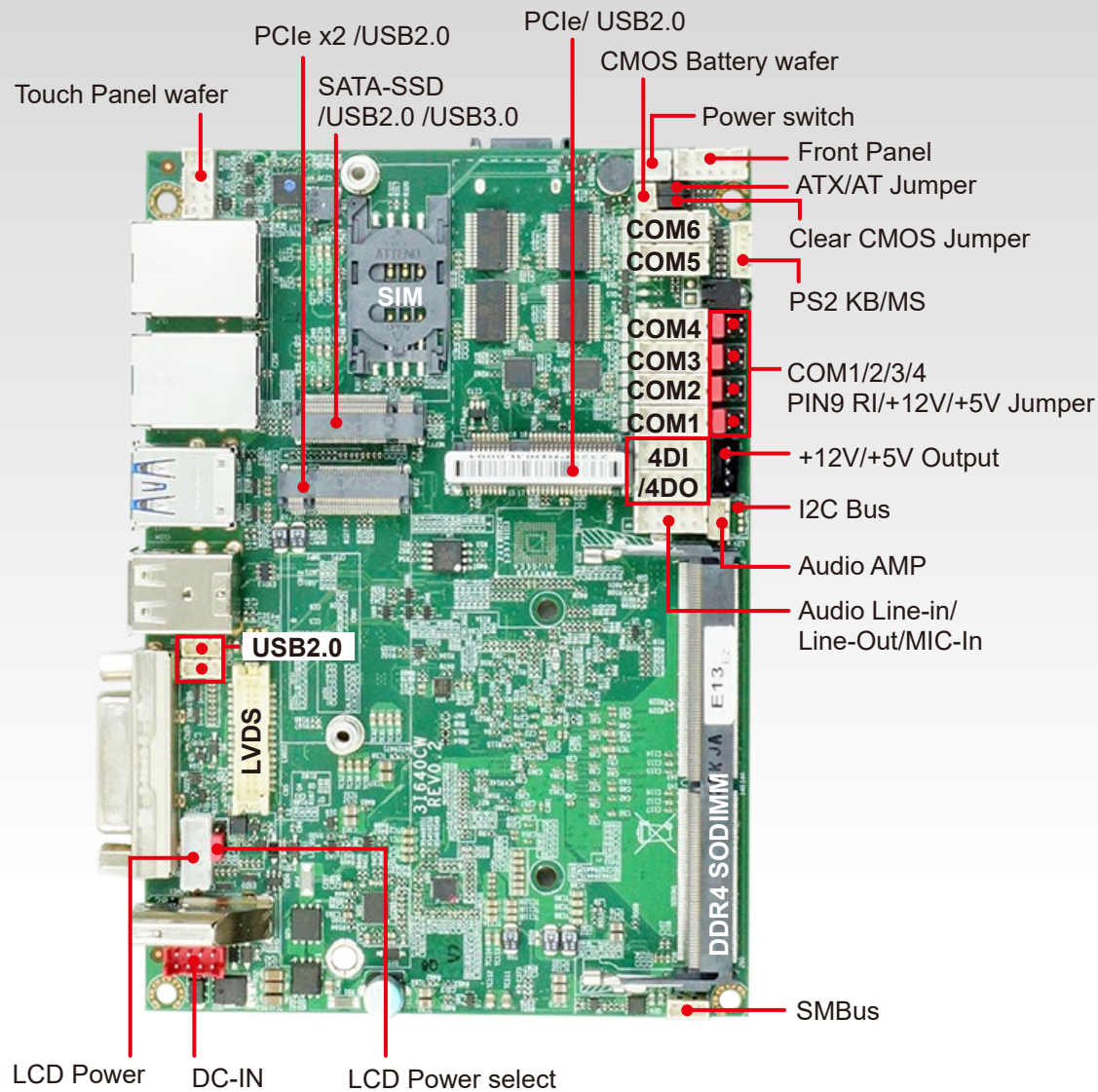


## **3I640A/CW:** Maximizing performance 3.5” SBC with Intel® Atom™ (Elkhart Lake) 6000 series processor

The 3.5” (146 x 102 mm) SBC: 3I640A/CW is with Intel Atom® x6000E Series and Celeron® J (formerly Elkhart Lake ) Series processors. 3I640A/CW integrated 2x 2.5 GbE LAN, 6 x USB, 6 x COM Port , 1 x HDMI, 1 x DVI, 1 x LVDS display interface and 1 x Mini PCIe, 2 x M.2 expansion slot offers the ideal platform for graphics performance with integrated AIoT features, real-time performance, manageability, and security. 3I640A/CW with excellent processor performance, multiple Serial ports and touch screen controller features is the ideal solution for AI accelerators platform and advanced Edge AI, Intelligent Control, Factory Automation Industry 4.0, Internet of Things (IoT) and Edge Computing applications.



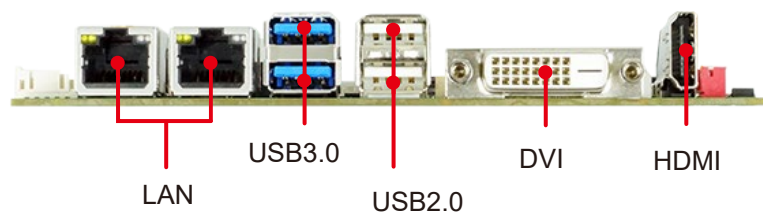
# Function Map



## 31640CW

### 31640CW – ideal solution for Automation and Panel PC Applications

- Intel® Elkhart Lake ATOM® x6413E / J6412 CPU
- 1 x DDR4 SODIMM, Max. 32GB
- Independent display: HDMI, DVI, LVDS
- 2 x Intel 2.5 GbE LAN, 2 x USB 3.0, 4 x USB 2.0
- 6 x COM, 1 x Mini PCIe, 2 x M.2, 1 x Mini SIM
- Touch Screen, 8DI / 8DO
- TPM 2.0 (Firmware) –OEM to Hardware TPM 2.0
- Wide Range DC IN +9~36V
- Wide temperature support of -20°C ~ 70°C





OEM I/O Expansion



## TWITTER

Dimension: 210W x 121D x 55H mm

- Compact & Excellent Fanless Embedded System

The Panel PC series (SLIM/ SUPER/ VITA/STAR ) powered by Intel® Elkhart Lake CPU with frameless display design plus with touch screen, rich I/O connection, wide range 9~36V DC input & both VESA/ Panel mounting offer uses the ideal platforms for demanding applications in versatile industrial automation, factory control, surveillance , smart kiosk , military and communication centers.

## SLIM series PPC +3I640CW- ABS front frame + Aluminum housing



### SLIM 10.4"

[Data Sheet](#)

Dimension: 287.6 W x 245 D x 60.9 H

### SLIM 12.1"

[Data Sheet](#)

Dimension: 320.3 W x 275 D x 60.9 H

### SLIM 15"

[Data Sheet](#)

Dimension: 384 W x 312 D x 70.5 H

### SLIM 17"

[Data Sheet](#)

Dimension: 413 W x 343 D x 64.5 H

# SUPER series PPC +3I640CW

- Plastic(ABS) housing

## Super 7"

[Data Sheet](#)

Dimension: 225.3 W x 166.8 D x 66.09 H

## Super 10.1"

[Data Sheet](#)

Dimension: 293.4 W x 210.4 D x 66.79 H

## Super 10.4"

[Data Sheet](#)

Dimension: 296 W x 250.4 D x 66.79 H

## Super 15.1"

[Data Sheet](#)

Dimension: 404.1 W x 335 D x 68.7 H



SUPER

## VITA series PPC +3I640CW

- Frameless Panel & Aluminum housing

### VITA 10.1"

[Data Sheet](#)

Dimension: 260.67 W x 183.37 D x 80.8 H

### VITA 15"

[Data Sheet](#)

Dimension: 364.03 W x 290.93 D x 82.8 H

### VITA 21.5"

[Data Sheet](#)

Dimension: 519.91 W x 314.92 D x 83.4 H

### VITA 23.8"

[Data Sheet](#)

Dimension: 575.06 W x 347 D x 83.8 H



VITA

# STAR series PPC +3I640CW

- Aluminum housing

## STAR 10.4"

[Data Sheet](#)

Dimension: 279.5 W x 231 D x 54 H

## STAR 12.1"

[Data Sheet](#)

Dimension: 323.5 W x 268 D x 54 H

## STAR 15.1"

[Data Sheet](#)

Dimension: 385.5 W x 317.5 D x 55.9 H

## STAR 21.5"

[Data Sheet](#)

Dimension: 548 W x 328.6 D x 64 H



STAR