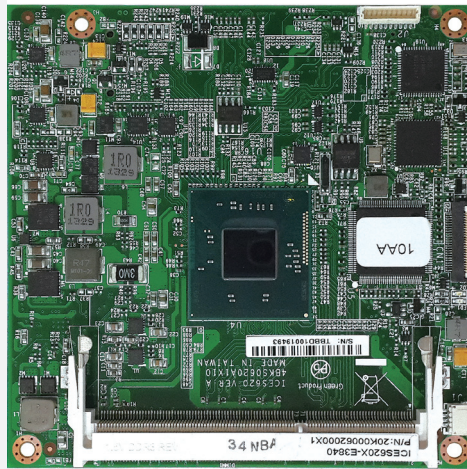


# ICES 620-HCAD3

COM Express Type 6, COMPACT Size Module with Intel® Celeron J1900 Processor DDR3L/GbE/2SATA/4 X PCIe and DP/USB3.0



## Main Features

- Embedded Intel® Celeron J1900 processors with 4 core support
- Embedded controller built-in with EAPI support
- Support DDR3L without ECC/SO-DIMMs 1066/1333MHz up to 4GB
- Support 4 x PCIe x1, 1 x USB 3.0/7 x USB 2.0/2 x SATA 2.0 and GbE
- 2 x DP/VGA interfaces
- Dimension 95 x 95mm (W x L)

## Product Overview

The ICES 620-HDA3 is a COM Express Type 6 compact size module that features Intel® Celeron J1900 Quad-Core processor, and one DDR3L SO-DIMM memory socket without ECC support, up to 8GB 1066/1333MHz. The ICES 620X integrates with Intel® Gen7 graphic engine to support dual displays of CRT resolution up to 2048 x 1536 resolutions and 2DPs link with HDMI1.4a/DP1.2 configurations. The high performance ICES 620X COM express module supports SATA, USB2.0 & USB3.0/VGA/DP (HDMI)/PCIe x1.

## Specifications

### CPU Support

- Intel® Celeron J1900 Quad Core processor up to 2.0GHz.

### Main Memory

- Dual DDR3L/SO-DIMMs without ECC 1066/1333MHz memory up to 8GB

### BIOS

- AMI system BIOS
- Plug and play support
- Advanced power management and advanced configuration & power interface support

### Display

- Intel® HD graphics with DX9 support
- Two DPs interfaces down to the carried board
- Standard VGA interface

### COM Express Connector

- AB :  
VGA/HDA/2 x SATA/GbE/4 x PCIe x1 (without Gbe)/7 x USB 2.0

LPC bus/SDIO (without GPIO)/GPIO/SMBus (I2C)/SPI BIOS

- CD:  
1 x USB 3.0/2 x DP (HDMI)

### Power Requirements

- +12V, +5VSB, +3.3V RTC power
- Support both AT and ATX power supply mode
- One 3-pin 90 degree edge-connector for DC +12V fan

### Dimensions

- 95mm (W) x 95mm (L)

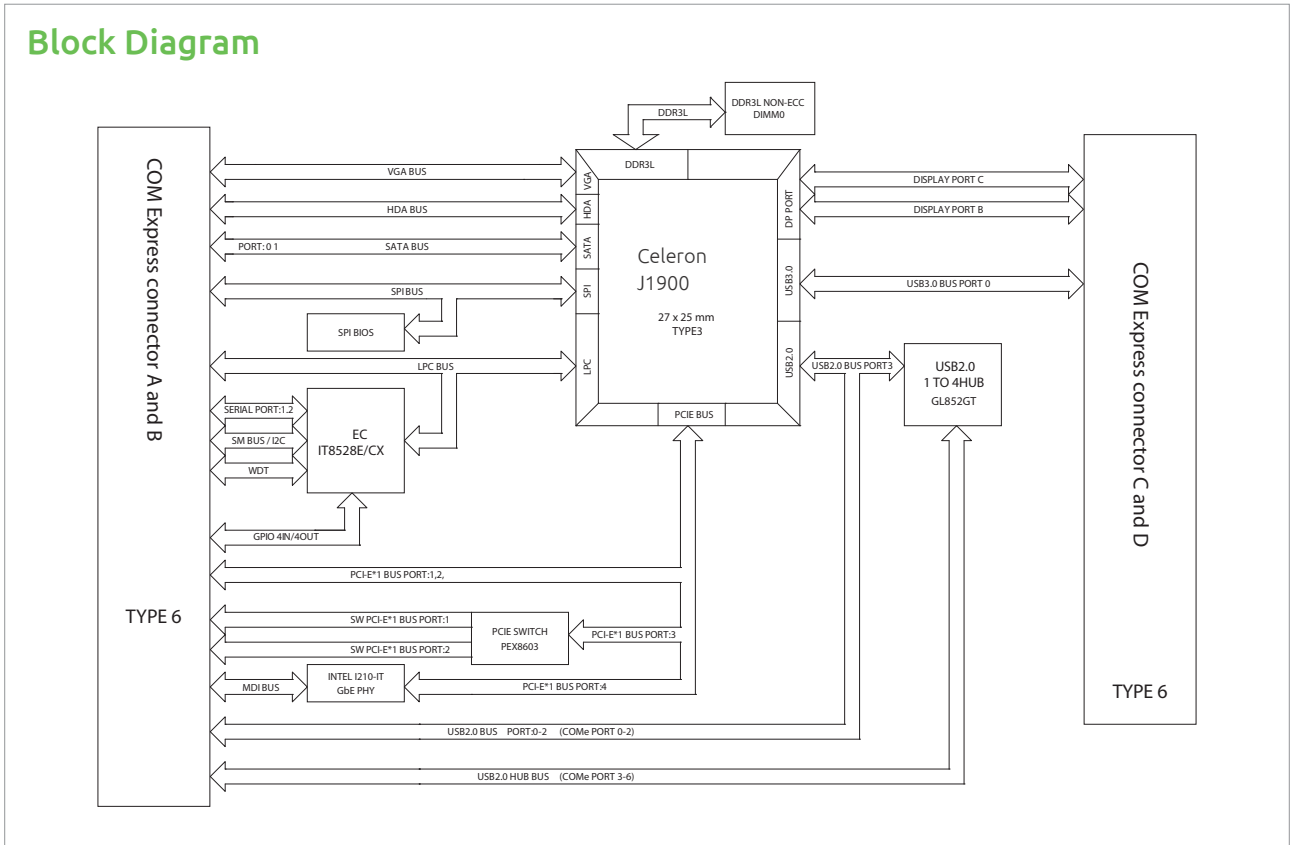
### Environment

- Board level operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- Relative humidity:
  - 10% to 90% (operating, non-condensing)
  - 5% to 95% (non-operating, non-condensing)

### Certifications

- Meet CE/FCC Class B

## Block Diagram



## Ordering Information

### ♦ ICES 620-HCAD3(P/N: 10K00062013X2)

COM Express Type 6 compact module extended 0°C to + 60°C with Intel® Celeron J1900 processor/4C, 2.0GHz/DDR3L without ECC/PCIe HDMI/VGA/SATA/GbE