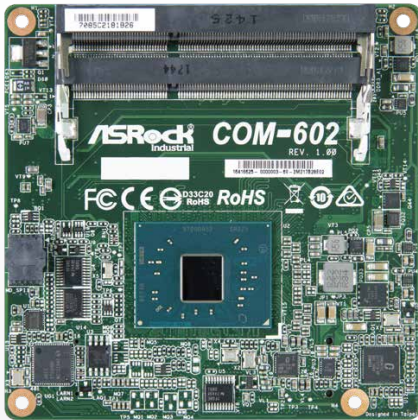




# COM-602

COM Express Motherboard

## Spotlight Features

- Intel® Atom™ N4200 & Pentium™ and Celeron™ N Series Processors
- Supports Dual Channel DDR3L 1866 non-ECC up to 8GB
- 32G EMMC (optional)
- 1 x HDMI, 1 x Displayport, 1 x eDP, 1 x LVDS, 1 x VGA
- 2 x USB 3.0, 8 x USB 2.0, 2 x SATA3, 2 x COM
- 5 x PCIe x1, 1 x PCIe x4 Slot + 1 PCIe x1 (Optional), 1 x PCIe x1 (Giga Lan)
- 1 x Intel LAN i210IT, 1 x Intel LAN i210AT
- 1 x TPM Header
- ATX (Vin 4.75-20V, Vsb 4.75-5.25V)
- AT (Vin 4.75-20V)

## Specifications

### Processor System

|            |                                    |
|------------|------------------------------------|
| Dimensions | COM Express (3.74-in x 3.74-in)    |
| CPU        | BGA1296 for Intel® Apollo Lake SoC |
| Chipset    | N/A                                |

### Expansion Slot

|           |                  |
|-----------|------------------|
| PCIe      | 6 x PCIe x1 Lane |
| Mini-PCIe | N/A              |
| M.2       | N/A              |
| mSATA     | N/A              |

### Memory

|            |                             |
|------------|-----------------------------|
| Technology | Dual Channel DDR3L 1866 MHz |
| Max        | 8GB                         |
| Socket     | 2 x SO-DIMM                 |

### Graphics

|               |                                                                   |
|---------------|-------------------------------------------------------------------|
| Controller    | Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4, support 2x DDI, 1x eDP |
| VGA           | N/A                                                               |
| DVI           | N/A                                                               |
| LVDS          | N/A                                                               |
| HDMI          | N/A                                                               |
| DisplayPort   | N/A                                                               |
| Multi Display | Triple Display                                                    |

### Ethernet

|            |                                        |
|------------|----------------------------------------|
| Interface  | 10/100/1000 Mbps                       |
| Controller | 1 x Intel® I210IT<br>1 x Intel® I210AT |

### Rear I/O

|             |     |
|-------------|-----|
| VGA         | N/A |
| DVI         | N/A |
| HDMI        | N/A |
| DisplayPort | N/A |
| Ethernet    | N/A |
| USB         | N/A |
| Audio Jack  | N/A |
| Serial      | N/A |
| PS/2        | N/A |

### Internal Connector

|                     |                         |
|---------------------|-------------------------|
| USB                 | 2 x USB 3.0/ 8 x USB2.0 |
| LVDS                | N/A                     |
| eDP                 | N/A                     |
| VGA                 | N/A                     |
| Serial              | 2(RX/TX only)           |
| SATA                | 2 x SATA3 (6.0 Gb/s)    |
| Parallel            | N/A                     |
| GPIO                | 4 x GPI + 4 x GPO       |
| SATA PWR Output Con | N/A                     |
| Speaker Header      | N/A                     |
| TPM                 | Optional TPM2.0         |

### Watchdog Timer

|          |                           |
|----------|---------------------------|
| Output   | From SoC to drag resetion |
| Interval | 0 ~ 255 sec               |

### Power Requirements

|           |                                    |
|-----------|------------------------------------|
| Input PWR | ATX (Vin 4.75-20V, Vsb 4.75-5.25V) |
| Power On  | AT (Vin 4.75-20V)                  |

### Environment

|                       |              |
|-----------------------|--------------|
| Operating Temperature | 0°C ~ 60°C   |
| Storage Temperature   | -40°C ~ 85°C |

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