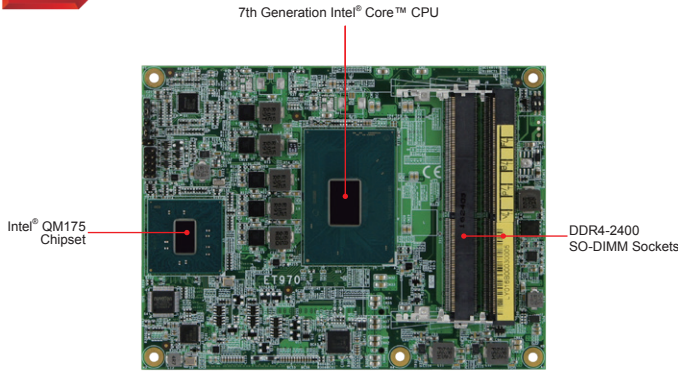


**NEW**



(All via baseboard)

### Features

- Onboard 7th Generation Intel® Xeon® E3 / Core™ i7/i5/i3 processors
- 2x DDR4-2400 SO-DIMM, Max. 32GB
- 1x Intel® PCI-E GbE LAN
- Watchdog timer, Digital I/O
- 8x USB 2.0, 4x USB 3.0, 2x COM, 4x SATA III
- Support 3x independent displays
- Supports TPM 2.0
- 8x PCI-E(x1), 1x PCI-E(x16)

### System

|                |   |
|----------------|---|
| CPU            | BGA1440 for 7th Generation Intel® Core™ H-series processors |
| System Memory  | 2x DDR4-2400 SO-DIMM, Max 32GB                              |
| System Chipset | Intel® QM175 & CM238 & HM175 PCH                            |
| BIOS           | AMI   |
| Watchdog Timer | 256 levels  |
| SSD            | N/A   |
| H/W Monitor    | Yes   |
| Expansion Slot | 8x PCI-E (x1), 1x PCI-E(x16)                                |

### Graphics

|                |  |
|----------------|--|
| VGA Controller | 7th Generation Intel® Core™ processor integrated graphics, supports DVI, HDMI, DisplayPort, LVDS |
| VGA Memory     | Shared memory  |
| LCD Interface  | 24-bit dual channels LVDS on baseboard   |

### LAN

|            |                               |
|------------|-------------------------------|
| Controller | Intel® I219LM LAN PHY         |
| Connector  | 1x RJ-45 on baseboard (IP413) |

### Multi I/O

|             |   |
|-------------|---|
| I/O Chipset | Nuvoton NCT5523D on board (supports Tx/Rx only)                                 |
| USB         | 4 ports USB 3.0 via baseboard<br>8 ports USB 2.0 via baseboard                  |
| Audio       | Intel® QM175 PCH built-in HD audio w/ Realtek ALC662 codec on baseboard (IP413) |
| Others      | Digital I/O, TPM 2.0  |

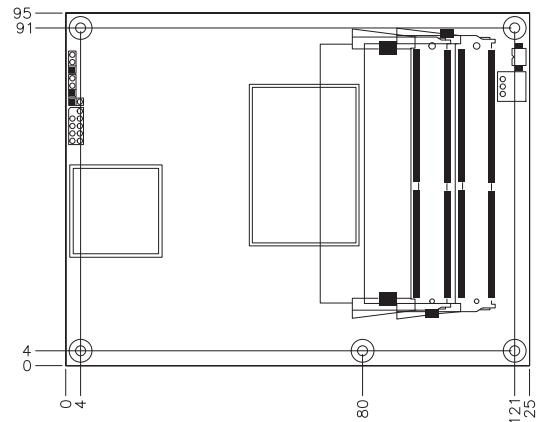
### Mechanical and Environmental

|                        |                              |
|------------------------|------------------------------|
| Dimensions             | 95mm x 125mm (3.74" x 4.92") |
| Max. Power Requirement | TBD                          |
| Operating Temperature  | 0°C~60°C (32°F~140°F)        |
| Storage Temperature    | -20°C~80°C (-4°F~176°F)      |
| Relative Humidity      | 10%~90% (non-condensing)     |

### Ordering Information

|            |  |
|------------|--|
| ET970K-X3G | COM Express (Type 6) with Intel® Xeon® E3-1505M V6 (3.0GHz), CM238 PCH, DDR4 dual channel memory             |
| ET970K-i7  | COM Express (Type 6) module with Intel® Core™ i7-7820EQ (3.0GHz~3.7GHz), QM170 PCH, DDR4 dual channel memory |
| ET970K-i5  | COM Express (Type 6) module with Intel® Core™ i5-7440EQ (2.9GHz~3.6GHz), QM170 PCH, DDR4 dual channel memory |
| ET970K-i3  | COM Express (Type 6) module with Intel® Core™ i3-7100E (2.9GHz), QM170 PCH, DDR4 dual channel memory         |
| ET970S-i7  | COM Express (Type 6) with Intel® Core™ i7-6820EQ (2.8GHz), QM170 PCH, DDR4 dual channel memory               |
| HSET970-B  | Heatsink with Fan for ET970  |

### Dimensions and Drawing



01 Embedded Systems  
02 CPU Modules  
03 Motherboards  
04 Disk-Size SBCs  
05 CPU Cards