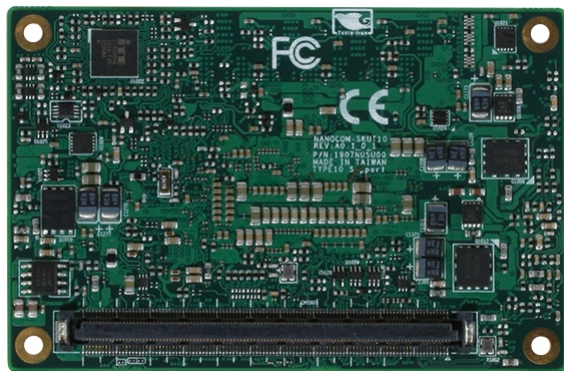
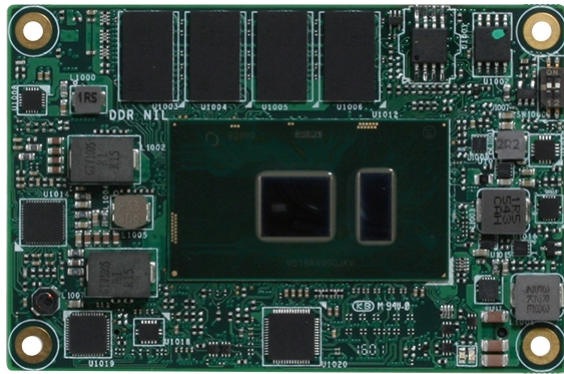


COM-SKU



Intel® Core™ i7-6600U series SOC

Onboard 4GB DDR4 memory

1x Gigabit Ethernet

1x DDI,

18/24-bit Single-Channel LVDS LCDs/eDP

High Definition Audio Interface

2x SATA

2x USB3.0

8x USB2.0

4x PCI-Express?x1?

8x GPIO

SMbus

I2C

LPC

COM Express Mini size, type 10, 84mm x 55mm

Support Industrial Temperature

COM Express Type 10 Module with the 6th Gen Intel® Core™ Series CPUs.

Traditionally powered by SoCs instead of a full-fledged processor due to the limited area, which measures 84 x 55 mm (equivalent to a business card), the NanoCOM-SKU, the latest entry to the company's NanoCOM product line, greatly improves on that with an Intel® Core™ i7-6600U CPU, along with a maximum of 4 GB of onboard DDR4 memory while drawing about 18W of power in full loading, a string of feats still unheard of in the embedded community. SKUs with other Core processors and RAM are also available.

With an exceptional level of performance but still retaining the compactness of the form factor, the module is slated to eliminate the bottlenecks and inadequacies commonly found in Atom™ or other equivalent SoC-powered modules when applied on more performance-demanding applications, which include graphics-intensive medical equipment or digital signage, and high-loading robotics and automation controllers used in industrial automation, bringing not only the best in any situation, but also opening new realm for more possibilities.

Specifications

SOM Type:

COM Express Modules

Processor

Intel Skylake Family i7/i5/i3 and Celeron Series SoC Processor

Clock Speed:

2.6 GHz

Real Time Clock:

Processor Misc.:

Intel® Skylake Family i7/i5/i3 and Celeron Series SoC Processor

i7-6600U: Dual Core 2.6 ~3.4 Ghz/ 25W

i5-6300U: Dual Core 2.4 ~3.0 GHz/ 25W

i3-6100U: Dual Core 2.30 GHz / 7.5W

C-3955U : Dual Core 2.00 GHz / 10W

Memory

Memory Misc.:

Non-EEC DDR4-2133, 4GB DDR4 Onboard Standard, Other options Build to order

Primary I/O

8-Bit

SDIO:

1x SDIO

Disk Interface:

2x SATA

Video Out:	
LVDS/eDP	
DDI x 1	
Audio:	
High definition audio interface	
Ethernet:	
Intel® I219 GbE	
USB:	
2x USB3.0	
8x USB2.0	
Serial Ports:	
2x 2-Wire	
I2C:	
1x i2C	
Watchdog:	
Secondary I/O	
LAN Port:	
Keypad:	
PS/2:	
Analog on	
A/D:	
D/A:	
Dimensions	
Dimensions:	
3.307 × 2.165 in	
Form Factor:	
COM EXPRESS Nano	
Power Requirements	
Voltage:	
12 V	
Power Misc.:	
i7-6600U 12V@1.5A. Under 100% loading.	
i3-6100U 12V@1.42A. Under 100% loading.	
CPU Set to 15W TDP. CPU base frequency may change accordingly.	
Environmental	
Low Operating Temperature:	
0 C	
High Operating Temperature:	
60 C	
Upper Operating Humidity:	
90%	
Environmental Misc.:	
(OPTIONAL WIDE TEMP : -40°C ~ 85°C)	
Pricing	
COM-SKU	i7-042R
NANOCOM-SKU-A10-0001, i7-6600U 2x 2.6GHz, 4GB DDR4, 2x SATA, 2x COM, 2x USB3, 8x USB2, 1x GbE LAN, 1xDDI, LVDS	
\$1,036.00	
Order:	
0	
Parent Product:	
COM-SKU	

Base Product:
COM-SKU
COM-SKUW7-042R
NANOCOM-SKUW2-A10-0001 i7-6600U 2x 2.6GHz, 4GB DDR4, 2x SATA, 2x COM, 2x USB3, 8x USB2, 1x GbE LAN, 1xDDI, LVDS -40~85° C
\$1,115.00
Order:
0
Parent Product:
COM-SKU
Base Product:
COM-SKU
COM-SKUi5-042R
NANOCOM-SKU-A10-0002, i5-6300U 2x 2.4GHz, 4GB DDR4, 2x SATA, 2x COM, 2x USB3, 8x USB2, 1x GbE LAN, 1xDDI, LVDS
\$875.00
Build to Order
Order:
0
Parent Product:
COM-SKU
Base Product:
COM-SKU
COM-SKUi3-042R
NANOCOM-SKU-A10-0003, i3-6100U 2x 2.3GHz, 4GB DDR4, 2x SATA, 2x COM, 2x USB3, 8x USB2, 1x GbE LAN, 1xDDI, LVD
\$612.00
Order:
0
Parent Product:
COM-SKU
Base Product:
COM-SKU
COM-SKUiC-042R
NANOCOM-SKU-A10-0004, C-3955U 2x 2.0Ghz, 4GB DDR4, 2x SATA, 2x COM, 2x USB3, 8x USB2, 1x GbE LAN, 1xDDI, LVDS
\$300.00
Build to Order
Order:
0
Parent Product:
COM-SKU
Base Product:
COM-SKU
Non-Stock NCNR:
0

Source URL: <https://www.emacinc.com/content/com-sku>