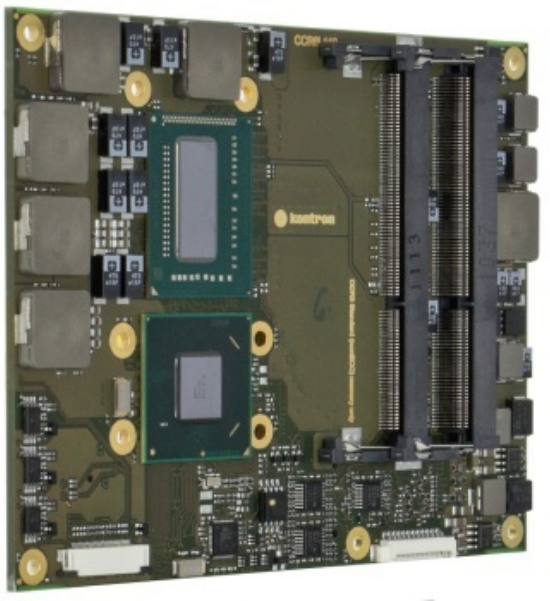
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COM-38021 COM-bPI6



Intel® 3rd Generation Core™ i7 with QM77

Gigabit LAN, 4x USB 3.0

ECC DDR3, rapid shutdown, industrial temperature grade

Triple independent display support

RXT products

The RXT product line includes modules with following featureset:

» industrial (-40 to +85°C) or extended (-25 to +75°C) grade temperature range by screening

» ECC Memory support

» Rapid Shutdown support

Processor:

The 22nm Intel® 3rd Gen Core™ i7/i5/i3/Celeron® embedded (Ivy Bridge) CPU family with 31x24mm package size (FCBGA1023 socket) supports:

» Intel® Turbo Boost Technology 2.01

» Intel® 64

» Intel® Virtualization Technology (VT-x)

» Intel® Virtualization Technology for Directed I/O (VT-d)

» AES New Instructions (AES-NI)

» Intel® Hyper-Threading Technology

» Enhanced Intel SpeedStep® Technology

» Idle States (C-States)

» Intel® Smart Cache

» Thermal Monitoring Technologies

» Intel® Fast Memory Access

» Intel® Flex Memory Access

» Integrated Intel® HD Graphics with Dynamic Frequency

» Configurable Thermal Design Power (cTDP)

Optional available (with customized BIOS):

» Intel® vPRO™ Technology including:

» Intel® Active Management Technology (AMT)

» Intel® Trusted Execution Technology (TXT)

Chipset

The 65nm Intel® 7-Series Platform Controller Hub Panther Point supports:

» PCI Express Revision 2.0

» PCI Express Configurations x1, x2, x4

This Computer-on-Module for COM Express® basic with 3rd Generation of Intel® Core(TM) Series. With support for Pin-out Type 2 and Type 6, This module covers both the need for latest interface technology and the need to extend life-time for existing baseboard designs. The 3rd Intel® Core Generation increases efficiency and performance per watt ratio which is a result of the innovative 22nm 3-D Tri-Gate. With USB 3.0, SATA 6Gb/s and PCI Express Gen 3, COMe-bIP6 offers incredible data transfer. Additionally, note the outstanding visual computing performance with up to 3 independent displays and support for DirectX® 11 and OCL 1.1.

Specifications

SOM Type:
COM Express Modules

Processor

Processor:
Intel 3rd Generation Core i7/i5/i3/Celeron series
Clock Speed:
2.7 GHz
Real Time Clock:
Processor Misc.:

Embedded 3rd Generation Intel® Core™ i7/i5/i3/Celeron® processor + QM77

i7-2715QE: Quad Core 2.1 GHz/ 45W

i7-3612QE: Quad Core 2.1 GHz/ 35W

i7-2655LE: Dual Core 2.2 GHz/ 25W

i7-3517UE: Dual Core 1.7 GHz/ 17W

i5-3610ME: Dual Core 2.7 GHz/ 35W

i3-3120ME: Dual Core 2.4 GHz/ 35W

i3-3217UE: Dual Core 1.6 GHz/ 17W

1020E: Dual Core 2.2 GHz/ 35W

1047UE: Dual Core 1.4 GHz/ 17W

Intel® Mobile QM77 (Core™ i3, i5, i7), Intel® Mobile HM76 (Celeron®)

Memory

BIOS/ Bootloader:
AMI Aptio UEFI
Primary Flash:
Up to 64GB eMMC onboard
Memory Misc.:
RXT version has ECC memory

Primary I/O

GPIO:
8x GPIO
Disk Interface:
2x SATA II & 2x SATAIII
Video Out:
VGA
LVDS
3xDDI
Audio:
Intel® High Defi nition Audio
Ethernet:
Intel® 82579LM Gigabit Ethernet
USB:
4x USB 3.0 & 8x USB 2.0
Serial Ports:
2x COM (2-Wire)
Watchdog:

Secondary I/O

LPT Port:
Keypad:
PS/2:

Expansion

Analog

A/D:

D/A:

Dimensions

Dimensions:

4.92 × 3.74 in

Form Factor:

COM Express Basic

Dimensions Misc.:

Dimensions (H x W) 125 x 95 mm

Power Requirements

Power Misc.:

8.5V – 20V Wide Range, Single Supply Power

Power Management ACPI 4.0, S5 Eco

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Environmental Misc.:

Commercial temperature: 0°C to +60°C operating, -30°C to +85°C non-operating Extended temperature: -25°C to +75°C operating, -30°C to +85°C non-operating Industrial temperature(RXT versions): -40°C to +85°C operating, -40°C to +85°C non-operating

Pricing

COM-38021-022-1

38021-0000-22-1, COMe-bIP6, COMe-T6, 1020E 2x2.20GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS

$404.00

Order:

0

Parent Product:

COM-38021

Base Product:

COM-38021

COM-38021-014-1

38021-0000-14-1, COMe-bIP6, COMe-T6, 1047UE 2x1.40GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS

$329.00

Order:

0

Parent Product:

COM-38021

Base Product:

COM-38021

COM-38021-015-0

38021-0000-15-0, COMe-bIP6, COMe-T6, 927UE 1x1.50GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS

$318.00

Order:

0

Parent Product:

COM-38021

Base Product:

COM-38021

COM-38021-024-2

38021-0000-24-2, COMe-bIP6, COMe-T6, ™i3-3120ME 2x2.4GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$682.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38021-016-2
38021-0000-16-2, COMe-bIP6, COMe-T6, ™i3-3217UE 2x1.6GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$733.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38021-027-2
38021-0000-27-2, COMe-bIP6, COMe-T6, ™i5-3610ME 2x2.7GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$869.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38021-017-2
38021-0000-17-2, COMe-bIP6, COMe-T6, ™i7-3517UE 2x1.7GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$965.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38021-X17-2
38021-0000-17-2EXT, COMe-bIP6, COMe-T6, ™i7-3517UE 2x1.7GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS (-25 ~ 75C)
$1,037.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38021-025-2
38021-0000-25-2, COMe-bIP6, COMe-T6, ™i7-3555LE 2x2.5GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$1,027.00
Order:
0
Parent Product:
COM-38021
Base Product:

COM-38021
COM-38021-021-4
38021-0000-21-4, COMe-bIP6, COMe-T6, ™i7-3612QE 4x2.1GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$1,153.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38021-X21-4
38021-0000-21-4EXT, COMe-bIP6, COMe-T6, ™i7-3612QE 4x2.1GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS (-25 ~ 75C)
$1,338.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38014-021-8
38014-0000-21-8, COMe-bIP6, COMe-T6, ™i7-3612QE 4x2.10GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$1,153.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
COM-38021-023-4
38021-0000-23-4, COMe-bIP6, COMe-T6, ™i7-3615QE 4x2.3GHz, 2x COM, 2xUSB3, 6xUSB2, GbE, 3x DDI, VGA, LVDS
$1,098.00
Order:
0
Parent Product:
COM-38021
Base Product:
COM-38021
Non-Stock NCNR:
0

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