



IoT Solutions
Alliance

Portwell Exhibition Highlights

From Module and Board to System - to your Solution



embeddedworld2018

Exhibition & Conference
... it's a smarter world

Date : 27 February - 1 March 2018

Place : Nuremberg, Germany

Booth : Hall 2-340

PEB-2773



Intel® Apollo Lake Dual/Quad-Core™ SoC Based 3.5" Embedded Motherboard with DDR3L SO-DIMM, Triple Display, 2x GbE LAN Ports, HDMI, DP, and mSATA / Mini-PCIe

- New Intel® Apollo Lake series processor
- Supports DDR3L-1866/1600 non-ECC SDRAM on one SO-DIMM slots, up to 8GB
- Triple displays including DP, HDMI, and Dual channel 24bit LVDS
- Dual Mini-PCIe

NANO-6062



Intel® Apollo Lake Dual/Quad-Core™ SoC Based NANO-ITX with DDR3L SO-DIMM, Triple Display, 2x GbE LAN Ports, M.2 Socket, Micro-SD Socket, and mSATA/Mini-PCIe

- Supports DDR3L-1866/1600 non-ECC SDRAM on one SO-DIMM slots, up to 8GB
- Triple display including DP, VGA, and dual channel 24bit LVDS
- 1x SATA port, 1x mSATA/Mini-PCIe slot, and 1x micro-SD socket
- 4x USB 3.0 ports and 1x M.2 socket (E key)
- Wide DC 12 V ~ 24V input

WUX-3350



Intel® Apollo Lake Atom® Processor Based 4x4-inch Mini PC Board

- Intel® Apollo Lake series processor
- Up to 8GB DDR3L-1866/1600 non-ECC SDRAM on two SO-DIMM slot
- Dual displays including DP and HDMI up to UHD resolution
- 1x M.2 (E+A Key) slot, 1x SATAIII Port and 1x MicroSD3.0 socket
- Wide voltage DC power input from 12V ~19V

PCOM-B701

Intel® New Generation Networking Processor Based on Type 7 Basic COM Express® 3.0 Module with DDR4 ECC/Non-ECC SDRAM on 3x SO-DIMM Sockets, 16x PCIe Lanes, 10GbE, NC-SI Interface, SATA, and USB

- New Type 7 Specification with Denvertion Platform
- Support DDR4-2133 SDRAM on 3x SO-DIMM Sockets, up to 48GB
- 4x 10GbE and 1x GbE Interfaces
- 4x USB 3.0/2.0, 2x SATA III, 8x PCIe x1 Gen 2.0, 1x PCIe x8 Gen 3.0
- Wide-Temp (-40°C to +85°C) Support on Selected SKUs

10
GbE

PCOM-B700G

Intel® New Generation Xeon® Processor Based on Type 7 Basic COM Express® 3.0 Module with DDR4 ECC/Non-ECC SDRAM on 3x SO-DIMM Sockets, 28 PCIe Lanes, 10GbE, NC-SI Interface, SATA, and USB

- New Type 7 Specification with Broadwell-DE Platform
- Support DDR4-2133 SDRAM on 3x SO-DIMM Sockets, up to 48GB
- 2x 10GbE and 1x GbE Interfaces
- 4x USB 3.0/2.0, 2x SATA III, 8x PCIe 2.0 x1, 1x PCIe 2.0 x4, and 1x PCIe 3.0 x16
- Wide-Temp (-40°C to +85°C) Support on Selected SKUs

10
GbE

Kaby Lake Module

PCOM-B642VG

Intel® Kaby Lake-S Core™ i7/i5/i3/Celeron® Processor Based on Type 6 Basic COM Express® 2.0 Module with DDR4 SDRAM on Dual SO-DIMM Sockets, VGA, DisplayPort, GbE Port, SATA and USB

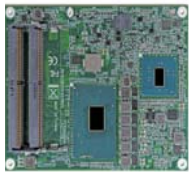
- Support Intel® 7th Generation Kaby Lake-S Desktop Processors
- Support DDR4 2133MT/s SDRAM on x2 SO-DIMM Sockets, up to 32GB
- 2x DisplayPort, 1x VGA, and 1x eDP Output
- 4x USB 3.0, 4x USB 2.0, 4x SATA III, 8x PCIe x1, 1x PCIe x16 and 1x GbE
- Wide Voltage Support from 6V to 18V

Kaby Lake
Ready

PCOM-B643VG

Intel® Kaby Lake-H Core™ i7/i5/i3/Celeron® Processor Based on Type 6 Basic COM Express® 2.0 Module with DDR4 SDRAM on Dual SO-DIMM Sockets, VGA, LVDS, DisplayPort, GbE Port, SATA and USB

- Intel® 7th Generation Core™ i7, i5, i3, Celeron® processors (Kaby Lake-H)
- Supports DDR4 2133MT/s SDRAM on 2x SO-DIMM sockets, up to 32GB
- 2x DisplayPort, 1x VGA, and 1x LVDS output
- 4x USB 3.0, 4x USB 2.0, 4x SATA III, 8x PCIe x1, 1x PCIe x16 and 1x GbE
- Wide voltage supports from 6V to 18V

Kaby Lake
Ready

PCOM-B644VG

Intel® Kaby Lake-U Core™ i7/i5/i3/Celeron® Processor Based on Type 6 Compact COM Express® 2.0 Module with DDR4 SDRAM on Dual SO-DIMM Sockets, VGA, LVDS, DisplayPort, GbE Port, SATA and USB

- Intel® 7th Generation Core™ i7, i5, i3, Celeron® processors (Kaby Lake-U)
- Supports DDR4 2133MT/s SDRAM on 2x SO-DIMM sockets, up to 32GB
- 1x DisplayPort, 1x VGA, and 1x LVDS output
- 4x USB 3.0, 4x USB 2.0, 2x SATA III, 5x PCIe x1, 1x PCIe x4 (PEG), and 1x GbE
- Wide voltage supports from 6V to 18V

Kaby Lake
Ready

Apollo Lake Module

PCOM-B641VG

Intel® Atom® E3900 Series Processor Based on Type VI COM Express® Module with DDR3L SDRAM, VGA, LVDS, Gigabit Ethernet, SATA 3.0, USB 3.0, TPM, and eMMC

- Intel® Atom® E3900 Series ultra low power processor
- Up to 16GB DDR3L 1600/1866 MT/s SDRAM on two 204-pin SO-DIMM sockets
- VGA, LVDS and DisplayPort interface
- USB 2.0/ 3.0, 2x SATA III, 4x PCIe 2.0 x1 or 1x PCIe 2.0 x4

Apollo Lake
Ready

PCOM-BA01



Intel® New Generation Atom® SoC Processor Based on Type 10 Mini COM Express® 3.0 Module with LPDDR4 Memory Down, DisplayPort, LVDS, GbE Port, SATA, and USB

- Intel® New Atom® SoC (Apollo Lake)
- 1x DisplayPort and 1x LVDS output
- 2x USB 3.0, 6x USB 2.0, 2x SATA III, 4x PCIe x1, and 1x GbE
- Onboard eMMC and wide-temp (-40°C to +85°C) support



PSMC-M1011



SMARC 2.0 Module Based on Intel Low Power Processor Series Supports with Triple Display at 4K Resolution and Latest LPDDR4 SDRAM

- Intel® Atom® / Pentium® / Celeron® processors ("Apollo Lake")
- Up to 8GB on Board LPDDR4 SDRAM
- Triple display support (18/24-bit LVDS, HDMI/DP, DP++)
- Dual LAN, 2x USB 3.0 and up to 6x USB 2.0
- SATA 3.0, on Board eMMC 5.0 and TPM



PQ7-M108



Qseven Module by Qseven 2.1 Based on Intel® Atom® E3900 Series Platform with LPDDR4 SDRAM up to 8GB, 24bit LVDS, DP/HDMI

- Atom® Apollo Lake SoC E3900 series processor
- On Board LPDDR4 DRAM and up to 8GB
- 24-bit LVDS, HDMI/DP output
- Four PCI Express lanes
- Support 2x USB 3.0, 4x USB 2.0
- On Board eMMC 5.0 (Optional)



Kaby Lake Board

ROBO-8113VG2AR



Intel® Xeon® and Core™ i3/i5/i7 Processors Based on PCIMG 1.3 SHB with DDR4 SDRAM, HDMI, DVI-I, Dual Gigabit Ethernet, Audio and USB

- Intel® 6th Kaby Lake-S Xeon® / Core™ i3/i5/i7 processors in LGA 1151 package
- Up to 32GB maximum DDR4 2133 ECC or non-ECC DIMM on two sockets
- Multiple display by DVI-I (DVID+ VGA) and HDMI
- High speed dual Gigabit Ethernet based on PCI Express x1, high bandwidth I/O interface
- Rich I/O connections such as four serial ports, USB 3.0/2.0, SATA III ports



WADE-8017



Intel® 6th/7th Gen Core™ Processor Based Mini-ITX with DDR4 SDRAM, Triple Display, 2x GbE LAN Ports, 6x COM Ports

- Intel® 100 series and Intel® C230 series Chipset family platform with Q170 or C236 or H110 chipset
- Supports DDR4 2133/1866 ECC/non ECC on 4x 288 pin DIMM slots, up to 32GB
- Triple display including DP, HDMI, and VGA
- 6x SATA III, and 6x COM ports
- 4x USB 3.0, 2x USB 2.0, 1x PCIe x16, 1x SEB (Side Expansion Board), 1x Mini-PCIe and 1x M.2 (Type E) slot



Javi-S1731



17" Highly Flexible and Rugged Panel PC with Intel® Bay Trail Quad-Core™ E3845 Processor

- Scalable Panel size from 15" to 19"
- True Flat 5-wire Resistive Touch (P-CAP Touch by project)
- 1x 2.5" HDD/SSD and 1x Half-size mSATA
- Rich I/O and Triple Display are good for versatile applications
- Rugged Aluminum front bezel can meet IP65 protection
- Panel mount and VESA mount
- Wide Operating Temperature support(-25°C ~ 70°C) with Fan-less Design
- Wide Range DC 12V ~ 24V power input
- Six I/O extensions for customization available



System

WEBS-35C3



Embedded Rugged Fan-less System with Intel® 6th Gen. Skylake-S Core™ i3/i5/i7 Based Mini-ITX Board

- Intel® Core™ High performance Fan-less Embedded Box PC
- Up to 32 GB RAM - Dual UB-DIMM DDR4
- 2x 2.5" SATA HDD/SSD, 1x mSATA
- Rich I/O and Triple Display are good for versatile applications
- 1x M.2 socket, 1x Full-size Mini-PCIe socket (co-lay with mSATA)
- Wide Range DC 12V ~ 36V power input
- Up to 3 different types of PCI/PCIe Expansion Options



WEBS-13D1



Embedded Compact Fan-less System with Intel® Apollo Lake Based 3.5" Board

- Powered by Intel® Atom® Apollo Lake Dual/Quad-Core™ E3900 Series SoC
- 1x 2.5" HDD/SSD and 1x mSATA
- 2x Mini-PCIe socket (one co-lay with mSATA; one support USB & PCIe)
- Rich I/O with 6x USB 3.0, 3x RS-232 and 1x RS-232/422/485 by BIOS, 2x GbE, 1x GPIO and 1x Audio
- Wide Operating Temperature support (-25°C ~ 70°C) with Fan-less design



WEBS-21D0



Embedded Compact Fan-less System with Intel® Apollo Lake Based NANO-ITX Board

- Powered by Intel® Atom® Apollo Lake Dual/ Quad-Core™ E3900 Series SoC
- Storage support 1x 2.5" HDD/SSD, 1x mSATA, 1x Micro SD
- Dual Display by VGA/DP
- 1x M.2 socket and 1x Full-size Mini-PCIe socket(co-lay with mSATA)
- Wide Range DC 12V ~ 24V power input
- Support Wall Mount, Panel/VESA mount and DIN Rail Mount
- Wide Operating Temperature support (-20°C ~ 60°C) with Fan-less Design



WEBS-7000



Embedded Compact Fan-less System with Intel® Apollo Lake Based PICO-ITX Board

- Powered by Low Power Intel® Apollo Lake Celeron® Dual-Core™ N3350 Processor
- Up to 8GB DD3L-1866/1600 non-ECC SDRAM
- 1x mSATA and 1x SATA DOM by Project
- Single Display by HDMI up to 4096 x 2160 Resolution
- 1x GbE, 1x USB 3.0, 1x M.2 Type E socket and 1x Full-size Mini-PCIe socket (co-lay with mSATA)



MEDS-BS200



Embedded Fan-less System with Intel® Atom® Apollo Lake NUC Platform for Medical Application

- Intel® Atom® 14nm SOC with Dual/Quad-Core™ support
- Support Dual Channel DDR3L 1866 SO-DIMM up to 8G
- Dual display by DP & HDMI up to UHD resolution
- M.2 (E+A Key), SATAIII port and micro SD 3.0 socket
- Wide DC 12V~19V input



CMVL-1U12B



New Era of Software Defined Storage

- 12x Nano Server (ARMv8)
- 1x COM Module (Intel Broadwell-DE)
- 2x Switch Fabrics (2x10Gb + 4x 1Gb uplink)
- OOBM by switch and BMC
- 1U rack mount form factor
- 400W/600W redundant PSU



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