COM Express® COMPACT TYPE 6 WITH
Intel® Atom™ / Pentium® / Celeron® PROCESSOR N3000 SERIES

- COM Express® compact pin-out type 6 Computer-on-Module with Intel® Atom™ x5-E8000 / Pentium® / Celeron® Processor N3000 series
- up to 8 GByte DDR3L 1600 Memory (2 SODIMM Socket)
- high speed Interface 2x SATA3 4x USB 3.0/2.0 , +4x USB 2.0
### TECHNICAL INFORMATION

#### COMPLIANCE

COM Express® Compact Pin-out Type 6

#### DIMENSIONS (H x W x D)

95 x 95 mm

#### CPU (SoC)

- Intel® Pentium® N3710 (4x 1.60 GHz/2.56 GHz, 6 W)
- Intel® Celeron® N3160 (4x 1.60 GHz/2.24 GHz, 6 W)
- Intel® Celeron® N3060 (4x 1.60 GHz/2.48 GHz, 6 W)
- Intel® Celeron® N3010 (4x 1.04 GHz/2.24 GHz, 4 W)
- Intel® Atom™ Processor x5-E8000 (4x 1.04 GHz, 5 W)

#### CHIPSET

Integrated SoC

#### MAIN MEMORY

2x SODIMM for DDR3L-1333/1600 (non ECC) up to 2x 4 GByte, 8 GByte total

#### GRAPHICS CONTROLLER

Intel® HD® Graphics

#### ETHERNET CONTROLLER

Intel® I211AT

#### ETHERNET

10/100/1000 MBit Ethernet

#### HARD DISK

2x SATA3 6Gb/s

#### FLASH ONBOARD

Up to 32 GByte SLC eMMC (option)

#### PCI Express® SUPPORT

- 3x PCIe2.0 on PCIe lane 0-2 (3 controllers, 3 x1) Option: 4 Lanes if no LAN (4 controllers, 4 x1, 1 x4)
- 3 independent Displays
- DDR1, DP++, DDII, DP++, LVDS: Dual Channel 18/24bit, VGA optional on DDII
- 4x USB 3.0/2.0, 4x USB 2.0

#### PANEL SIGNAL

- 3 independent Displays
- DDI1: DP++, DDI2: DP++, LVDS: Dual Channel 18/24bit, VGA optional on DDI2
- 2x serial interface (RX/TX only)
- Intel® High Definition Audio

#### AUDIO

Intel® High Definition Audio

#### COMMON FEATURES

- SPI, LPC, SMB, Fast I²C, Staged Watchdog, RTC, MARS

#### BIOS

AMI AptioV UEFI

#### HUMIDITY

93 % relative humidity at 40° C, non-condensing (according to IEC 60068-2-78)

#### OPTIONS

- 1x PCIe x1 additional w/o onboard LAN, onboard SSD (32 GByte eMMC), eDP instead of LVDS, VGA instead DDII

#### POWER MANAGEMENT

ACPI 4.0, S5 Eco

#### POWER SUPPLY

8.5 V – 20 V Wide Range ATX, Single Supply Power

#### SPECIAL FEATURES

- PSCAP capacitors, LVDS/DP Multiplexer, microSD card socket*
- Commercial temperature: 0° C to +60° C operating, -30° C to +85° C non-operating
- Win7, Win8.1, WES8, Win 10 (all 64Bit), Linux
- COMe-cBW6 36020-xxxx-17-x, 36020-xxxx-T1-x, commercial temperature

#### OPERATING SYSTEMS

Win7, Win8.1, WES8, Win 10 (all 64Bit), Linux

#### SUPPORTED MODULES

- COMe-cBW6 36020-xxxx-17-x, 36020-xxxx-T1-x, commercial temperature
- See Manual for more details

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