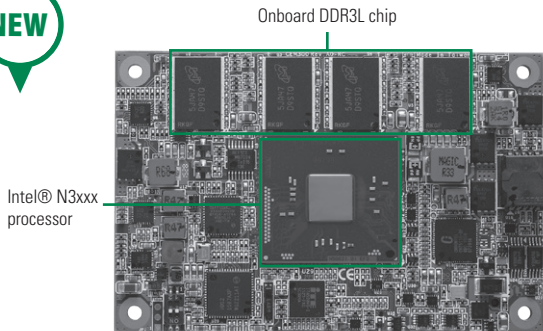


CEM300

COM Express Type 10 Mini Module with Intel® Pentium® & Celeron® N3000 Series Processors

NEW



System

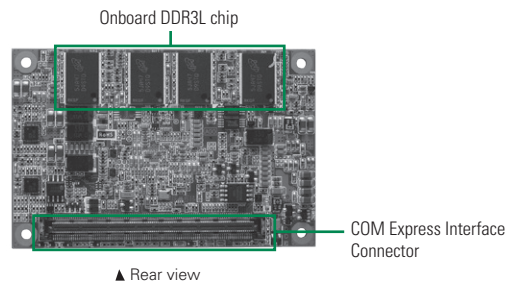
CPU	Intel® Pentium® N3710 1.6 GHz quad core Intel® Celeron® N3160 1.6 GHz quad core and N3060 1.6 GHz dual core onboard
System Memory	4 GB DDR3L onboard memory (8 GB optional)
Chipset	SoC integrated
BIOS	AMI uEFI
SSD	N/A
Watchdog Timer	1-65535 sec.
Expansion Interface	4 x PCIe lanes (3 lanes while internal LAN is connected)
Battery Lithium	N/A
Power Input	ATX: 4.75V-20V, +5VSB AT: 4.75V-20V
Size	84 x 55 mm
Board Thickness	2.0 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing
Vibration	3.5 Grms

I/O

MIO	1 x LPC interface 1 x SPI interface 2 x Serial TX/RX
SATA	2 x SATA-600
Hardware Monitoring	Yes
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD link interface to baseboard for Codec
USB	2 x USB 3.0 8 x USB 2.0
TPM	N/A
SMBus	Yes
Digital I/O	4 channels IN & 4 channels OUT
Smart Battery	Yes

Features

- Intel® Pentium®/Celeron® N3000 series processors (Braswell)
- Onboard DDR3L 4 GB memory (8 GB optional)
- Max. up to 4 lanes of PCIe
- 2 SATA-600 ports
- 2 USB 3.0 and 8 USB 2.0 ports
- LVDS and DDI (Displayport/HDMI/DVI) with dual view supported
- Intelligent remote management software AXView 2.0 supported



Display

Chipset	Intel® Gen 8 Graphics Engine Supports Gfx - DX11.1, OCL1.2, OGL 4.2
Display Interface	1 x DDI (DP, HDMI, DVI) 1 x LVDS; 18/24-bit single channel (eDP option)

Packing List

Quick installation guide

Ordering Information

Standard

CEM300PG-N3710-4G (P/N: E38D300100)	COM Express type 10 mini module with Intel® Pentium® N3710, 4 GB, DP/LVDS, USB 3.0 and 10/100/1000 Mbps Ethernet
CEM300PG-N3160-4G (P/N: E38D300102)	COM Express type 10 mini module with Intel® Celeron® N3160, 4 GB, DP/LVDS, USB 3.0 and 10/100/1000 Mbps Ethernet
CEM300PG-N3060-4G (P/N: E38D300104)	COM Express type 10 mini module with Intel® Celeron® N3060, 4 GB, DP/LVDS, USB 3.0 and 10/100/1000 Mbps Ethernet

Optional Accessories

CEB94008 (P/N: E394008100)	CEB94008 ATX form factor type 10 evaluation board
5078D300100E	CEM300 Heatspreader
5078D840200E	Heatsink w/fan