

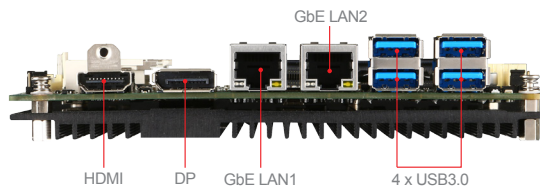
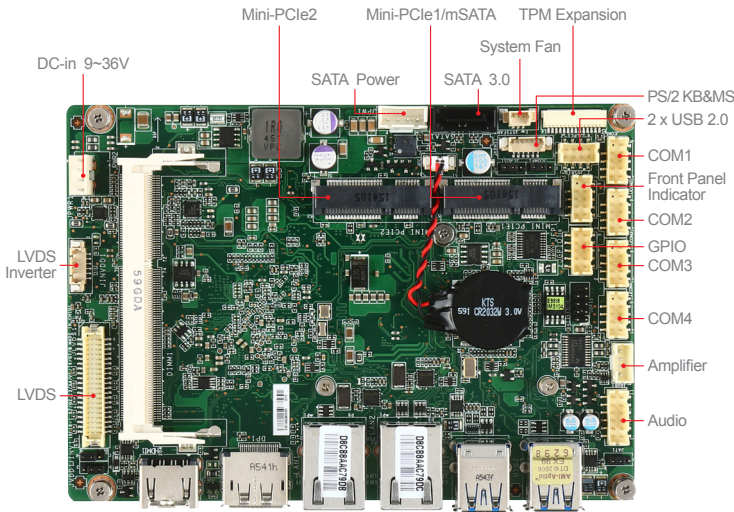
# MS-9818

Intel® Braswell N3000 Series Platform in 3.5" Fanless SBC for Low Power and High Performance Solution

NEW

## Specifications

<b>Processor</b>	CPU	Intel® Celeron Processor N3160/N3150, N3010/N3000
	Frequency	N3160/N3150: Quad Core, 1.6 GHz, 2.24/2.08 GHz (Burst) N3010/N3000: Dual Core, 1.04 GHz, 2.24/2.08 GHz (Burst)
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	Integrated in SoC
<b>Memory</b>	BIOS	AMI
	Technology	Single-channel DDR3L 1600MHz
	Max. Capacity	Up to 8GB
<b>Display</b>	Socket	1 x 204-pin SO-DIMM
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	Dual Channel 18/24-bit
	HDMI	1
	DisplayPort	1
	Multiple Display	3 independent displays
<b>Ethernet</b>	Controller	2 x Realtek RTL8111G GbE LAN
	Audio	Realtek® ALC887-VD2-CG HD Audio Codec
<b>Super I/O</b>	Controller	Fintek F81866AD-I
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
<b>TPM</b>	Controller	Pin header
<b>I/O Interface</b>	USB	2 x USB 2.0 (2 x internal) 4 x USB 3.0 (4 x rear)
	Serial	4 x COM (internal) COM1: RS-232/422/485, 0V/5V/12V COM2~4: RS-232
	PS/2	1 (box header)
	GPIO	8-bits (4 x GPI; 4 x GPO)
<b>Expansion Slot</b>	Mini-PCIe	2 x Full-size (one w/ mSATA)
<b>Storage</b>	SATA	1 x SATA 3.0
	mSATA	1 (Shared with Mini-PCIe1)
<b>Power Supply</b>	DC	DC-in 9~36V
	ATX	N/A
<b>Environment</b>	Operating Temperature	-10 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
<b>Form Factor</b>	Storage Humidity	10 ~ 90%, non-condensing
	Dimensions	146mm x 102mm (3.5")
	Weight	0.33 kg
<b>Certification</b>	EMC	FCC, CE, RCM, VCCI, BSMI



## Features

- Intel® Braswell N3000 Series SoC
- Support DDR3L 1333/1600 MHz SO-DIMM memory up to 8GB
- 3 independent displays with HDMI, DP, and LVDS outputs
- 4 USB 3.0, 2 USB 2.0, and 4 COM ports
- Dual Mini-PCIe, SATA, mSATA, and Dual GbE LAN
- Support DC-in 9~36V

## Ordering Information

Part Number	Description
919-9818-003	MS-9818 10 OPTB, 3.5-INCH, INTEL CELERON N3160, 1*DDR3L SO-DIMM, DP, HDMI, LVDS, 2*MINI-PCIE, 2*LAN, 1*SATA3.0, 1*MSATA, 6*USB (4*USB 3.0+2*USB 2.0), 4*COM, DC-IN 9~36V
919-9818-004	MS-9818 10 OPTC, 3.5-INCH, INTEL CELERON N3010, 1*DDR3L SO-DIMM, DP, HDMI, LVDS, 2*MINI-PCIE, 2*LAN, 1*SATA3.0, 1*MSATA, 6*USB(4*USB 3.0+2*USB 2.0), 4*COM, DC-IN 9~36V

## Packing List

Part Number	Description
K10-3002145-V03	DC LOCKABLE CABLE, 120mm
K1B-3008034-V03	USB2.0 CABLE, 150mm
K14-1009062-V03	INT COM PORT CABLE, 250mm
K1D-1012064-V03	SATA Power CABLE, 200mm
G71-SEDC152-N56 / X03	DRIVER CD