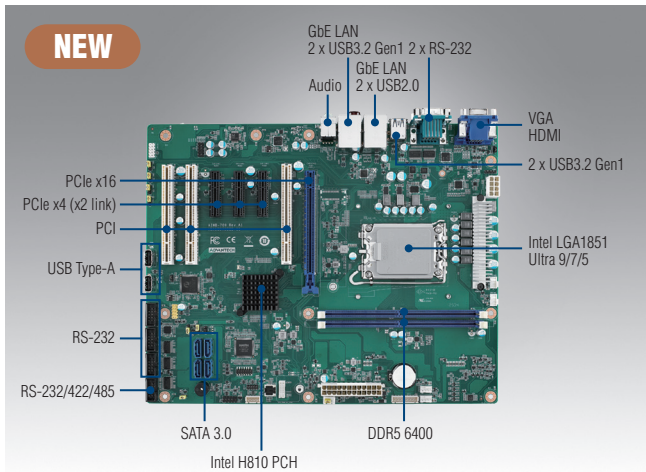


AIMB-709

**LGA1851 Arrow Lake S Generation
Intel® Core™ Ultra 9/7/5 ATX with
HDMI/VGA, DDR5, USB 3.2, 6 COMs**



Features

- Intel® Arrow Lake S Core™ Ultra 9/7/5 processor with H810 chipset
- Two DIMM sockets up to 96GB DDR5 6400
- Dual display HDMI/VGA and dual GbE LAN
- SATA 3.0, USB 3.2 Gen1
- 5 RS-232 and 1 RS-232/422/485 serial ports
- 1 PCIe x16 (Gen 5) and 3 PCIe x4 (x2 Gen 4 link), and 3 PCI expansion slots

Note 1: Legacy platform is not supported.

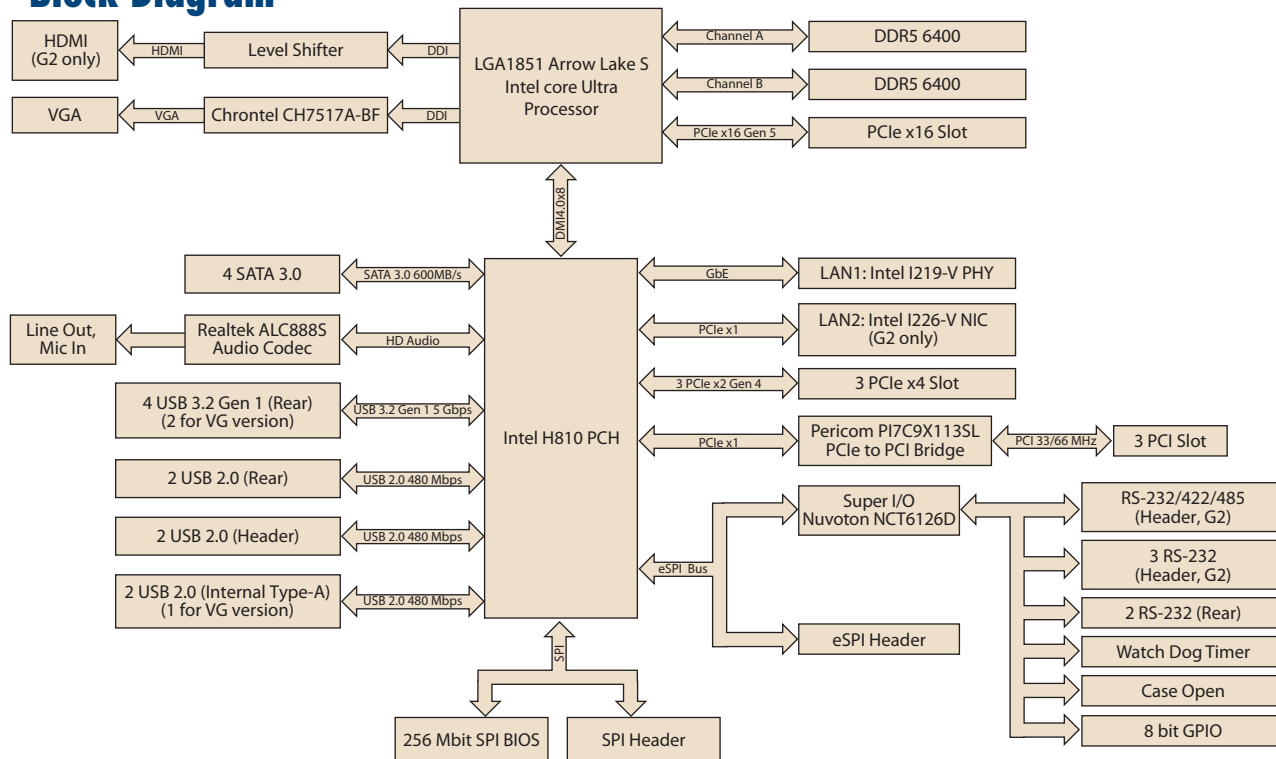
Note 2: dTPM 2.0 module is required to enable Intel vPro and TPM technologies.

Note 3: Intel® Platform Trust Technology (Intel® PTT) ready for Windows 11.

Quiet Specifications

CE FCC

Block Diagram



Ordering Information

Part Number	Chipset	Memory	Display	USB 3.2 Gen 1	USB 2.0	COM	GbE LAN	AMT	SATA	SW RAID	Intelligent System Module Support
AIMB-709G2-00A1	H810	Non ECC	HDMI + VGA	4	6	6	2	No	4	No	No
AIMB-709VG-00A1	H810	Non ECC	VGA	2	5	2	1	No	4	No	No

Packing List

Part Number	Description	Quantity
1700003194	SATA HDD cable	x2
1960106346T001	I/O port bracket (for 2U chassis or higher)	x1
TBD	Startup manual	x1

Note: Driver CD is not provided. Please visit Advantech support website for driver download.

I/O View



AIMB-709G2-00A1



AIMB-709VG-00A1

Optional Accessories

Part Number	Description
1701090401	Single COM port cable (40 cm)
1701092300	Dual COM port cable (28.5 cm)
1970005349T000	CPU cooler for 2U, 4U, and wallmount chassis (for CPU TDP=35~65W)
1970005531T001	CPU heatsink for 1U chassis (for CPU TDP≤65W only)
1970005436T001	CPU cooler for 2U, 4U, and wallmount chassis (for CPU Base Power=125W)
1960112429N000	I/O port bracket for 1U chassis
1700022749-11/ 1700022749-12/ 1700022749-13	SATA power cable
1700002204	2-port USB 2.0 cable w/ BKT(27 cm)
PCA-TPMSPI-00A1	dTPM 2.0 SPI module to enable TPM and vPro technologies

Riser Card

Part Number	Description
AIMB-RP10P-01A1E	1U riser card providing 1 PCI slot
AIMB-RF10F-01A1E	1U riser card providing 1 PCIe x 16 slot
AIMB-RP30P-03A1E	2U riser card providing 3 PCI slots
AIMB-RP3PF-21A1E	2U riser card providing 1 PCIe x 16 and 2 PCI slots