Channel AIO (Thin Mini-ITX Form Factor) – Compatibility Matrix* 8 series Desktop Boards

AIO Chassis **Motherboards**	ECS G24 23.6"	Loop 2150 21.5" NT/T	Loop 2151 21.5" NT/T	Loop 1950 19.5"	Hibertek T22/T23 21.5"	Wibtek A24 23.6"	KME HB-2009 HB-2409 21.5" 23.6"	Mitac 770 870 21.5"	Mitac 780 880 23.6 T
Asus Q87T	●2	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●2,12,19	●2,12
Asus H81-T	●2	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●11,2,19	●11,2
ECS H81H3-T12	●2,25	●10	●10	*9,2,17	Q2	Q2	●	●2	●2
ECS H87H3-TI	●2	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●2,12,19	●2,12
Wibtek TH87G-SA	●2, 9,14	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●2,12	●2,12
Mitac M87OD	*2	*10	*10,14	*	Q2	Q2	Testing upon request	●2,12	●2,12
Gigabyte H81TN	●2	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●19	●
Gigabyte B85TN	●2	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●19	●
Gigabyte H87TN	●2	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●19	●
Gigabyte Q87TN	●2	●10	●10,14	*9,2,17	Q2	Q2	Testing upon request	●19	●
MSI H81-TI	*2,24,25,28	*10,24,28	●10,14,24	●9,2,24	Q2	Q2	●21,24	*2,15,24,28	*2,15,24,28
ASRock H81TM-ITX	○2,23,24,25,28	●10,24,28	●10,14	*9,2,17	Q2	Q2	●32	●2,24,28	●2,24,28
ASRock Q87TM-ITX	Q4	Q4	●1	Q4	Q2	Q2	●21	Q4	●2

Channel AIO (Thin Mini-ITX Form Factor) – Compatibility Matrix* 100 Series Desktop Boards

AIO Chassis **Motherboards**	ECS G24 23.6"	Loop 2150 21.5" NT/T	Loop 2151 21.5" NT/T	Loop 1950 19.5"	Hibertek T22/T23 21.5"	Wibtek A24 23.6"	KME HB-2009 HB-2409 21.5" 23.6"	Mitac 770 870 21.5"	Mitac 780 880 23.6 T
Asus Q170	Q3	Q2	Q2	Q3	Q2	Q2	Q3	Q2	Q2
Asus H110	Q3	Q2	Q2	Q3	Q2	Q2	Q3	Q2	Q2
Gigabyte H110	Q3	Q2	Q2	Q3	Q2	Q2	Q3	Q2	Q2

Channel AIO (Thin Mini-ITX Form Factor) – Compatibility Matrix* Baytrail SOC Desktop Boards

AIO Chassis **Motherboards**	ECS G24 23.6"	Loop 2150 21.5" NT/T	Loop 2151 21.5" NT/T	Loop 1950 19.5"	Hibertek T22/T23 21.5"	Wibtek A24 23.6"	KME HB-2009 HB-2409 21.5" 23.6"	Mitac 770 870 21.5"	Mitac 780 880 23.6 T
ECS Bay Trail BTDD-TI (L)	●2,22,28	*2,10,23, 28	●2,10,28	*9,2, 20,28	Q3	Q3	●2,28	●1,2,28	●2,28
Biostar Bay Trail J1800-TH	●2	●2,10,29	●2	*9,2,17, 29	Q3	Q3	●2	●1,2	●2
ASRock Bay Trail Q1900-ITX	No testing planned	●2,10	●1	*9,2,17	Q3	Q3	●2	No testing planned	●2
MSI J1800TI	No testing planned	●	●2,10	*9,2,17	Q3	Q3	●2	No testing planned	●2

● - Fully compatible: All essential system features work defined as display, speakers, webcam, microphone, touch (if present), side USB ports. A superscripted number indicates a minor infraction or consideration was noted during interoperability testing and the board or chassis manufacturer have been notified.

○ - Not compatible: Chassis and motherboard combination cannot be integrated, or require modification. Contact the ODM for more information.

Annotations:

* - Issues identified during testing, resolution pending

(L) -- Low power DDR3 (1.35v) SO-DIMM required

NT - Non Touch Chassis
T - Touch Chassis

1. AIO Chassis only supports a single Wi-Fi antenna.
2. AIO Chassis does not support the Intel standard thermal solution for AIOs (HTS1155LP) or not applicable for SOC based motherboards.
3. Thermal Solution not included. Compatible with Intel standard thermal solution for AIOs (HTS1155LP).
4. (Place Holder)
5. Gigabyte: There is an extra cable for “Wi-Fi LED” feature introduced by Gigabyte, not defined in the AIO Design Guide. There are no plans to add the “WiFi LED” feature to Intel boards.
6. Gigabyte: DN2800MT board rev -600 is not compatible with the single-channel LVDS cable provided with the Gigabyte AEBN (18.5”) chassis. Use board rev -800 or later. Refer to published Technical Advisory for details. “Intel® Desktop Board DN2800MT - Technical Advisory – Single-Channel LVDS”
7. (Place Holder)
b. Backlight driver board cable: Chassis cable connecting backlight driver board to motherboard is just long enough, requiring it to run over where the stand hinge needs to attach.
8. (Place Holder)
9. AIO Chassis does not support a system fan. ODM uses alternative ways (e.g. thermal pad) to cool the VRs.
10. AIO Chassis supports a 3-wire system fan. The Version 1.0 of the AIO Design Guide recommends AIO Chassis to use a 4-wire system fan.
11. Chassis requires full profile (Mini ITX) I/O shield
12. Interoperable but missing board feature for this specific chassis SKU and board combination
13. Board issue results in non-interoperable status
14. Touch cable re-routed
15. Longer touch cable & ODD Adapter installed
16. ODD & HDD SATA Power connector of adapter could not reach header on Desktop Board
17. No LCD display.
18. Monitor on/off header cannot be connected.
19. HDD Activity LED indicator currently not functioning with Desktop board and Chassis combination.
20. Loop EFI enclosure causes wiring to be rerouted and/or limited access.
21. Inadequate cable length for peripherals to connect to USB headers.
22. System Fan cable is strained due to short cables or does not reach header.
23. Card reader connector could not reach header on Desktop Board
24. Insufficient X1 USB headers on board.
25. ECS G24: No header on board for USB 3.0 cable.
26. Connector for webcam prohibits ODD SATA cable from plugging into board
27. USB connector for Wi-Fi and external USB too short to reach X2 USB header on board
28. Motherboard is noncompliant with design guide. (Functionality not impacted)
29. The 19V external power connector is not compliant with design guide requirement
30. The Electromagnetic cover cannot be installed due to the height of the heatsink
31. Chassis does not contain Wi-Fi connector cables
32. Internal speaker’s cable is too short to reach header on desktop board
33. Alternative LVDS cable tested, Display on LCD. Confirm LVDS cable fix applied before attempting to integrate this board with the Chassis.
34. No Brightness control function with available software drivers.