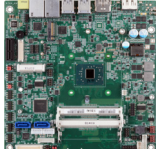







2.5" Pico-ITX, Mini-ITX

Form Factor	Mini-ITX		2.5" Pico-ITX
			
Chipset	N/A		N/A
Platform	Atom		Atom
Model	AL171	AL173	AL051
	same PCB		same PCB
Processor	Intel Atom Processor E3900 Series, Intel Pentium/Celeron		
Memory	2 DDR3L SODIMM up to 16GB		2 DDR3L SODIMM up to 16GB
Display	1 VGA/DP++, 1 HDMI/DP++, 1 LVDS/eDP		1 VGA*/(DP++,HDMI), 1 LVDS
GbE	2		2
Expansion	1 PCIe x1 (Gen2) 1 full-size Mini PCIe (USB, PCIe) 1 SIM Socket 1 M.2		1 Full-size Mini PCIe (PCIe/USB 2.0) 1 M.2 (PCIe/USB 2.0/SATA 3.0)
SATA	1 SATA 3.0		1 SATA 3.0
USB	4 USB 3.0 5 USB 2.0		2 USB 3.0 2 USB 2.0
COM	2 RS-232/422/485 4 RS-232		1 RS-232/422/485 (2.0mm pitch, right angle type)
Parallel	N/A		N/A
DIO	8-bit DIO		8-bit DIO
SSD/eMMC	N/A		N/A
IDE	N/A		N/A
Audio	Line-out, Mic-in		Line-out, Mic-in
AMT	N/A		N/A
TPM	optional		optional
Power	Single 12V +/-10% DC (AL171)	Wide Range 15~36V (AL173)	Single 12V +/-10% DC
Compliance	N/A		N/A
Carrier Board	N/A		N/A
Operating Temp.	0 to 60°C, -40 to 85°C		0 to 60°C, -20 to 70°C

*Populated by Default

COM Express Compact, COM Express Mini, Qseven

Form Factor	COM Express Compact	COM Express Mini	COM Express Mini	Qseven
				
Chipset	N/A	N/A	N/A	N/A
Platform	Atom	Atom	Atom	Atom
Model	AL968	AL9A3	AL9A2	AL700
Processor	Intel Atom Processor E3900 Series, Intel Pentium/Celeron			
Memory	2 DDR3L SODIMM up to 16GB	4GB/8GB DDR3L Memory Down	2GB/4GB DDR3L Memory Down (ECC support)	4GB/8GB DDR3L Memory Down
Display	1 VGA*/DDI, 1 LVDS*/eDP, 1 DDI	1 LVDS*/eDP, 1 DDI	1 DDI*(HDMI/DVI/DP), 1 LVDS*/eDP	1 DDI*(HDMI/DVI/DP++), 1 LVDS*/(eDP, DDI)
GbE	1	1	1	1
Expansion	4 PCIe x1 (Gen 2) 1 SDIO (available upon request) 1 LPC 1 I ² C 1 SMBus 1 SPI 2 UART (TX/RX)	4 PCIe x1 (Gen 3) 1 SDIO (available upon request) 1 LPC 1 I ² C 1 SMBus 1 SPI 2 UART (TX/RX)	4 PCIe x1 (Gen 3) 1 SDIO (available upon request) 1 LPC 1 I ² C 1 SMBus 1 SPI 2 UART (TX/RX)	4 PCIe x1 (Gen 2) 1 SDIO (with LED) 1 SMBus 1 I ² C 1 UART (TX/RX) 1 SPI 1 LPC
SATA	2 SATA 3.0	2 SATA 3.0	2 SATA 3.0	2 SATA 3.0
USB	4 USB 3.0 8 USB 2.0	2 USB 3.0 8 USB 2.0	2 USB 3.0 8 USB 2.0	3 USB 3.0 8 USB 2.0
COM	N/A	N/A	N/A	N/A
Parallel	N/A	N/A	N/A	N/A
DIO	8-bit DIO	8-bit GPIO (optional)	8-bit GPIO (optional)	4-bit GPIO
SSD/eMMC	32GB eMMC (optional)	64GB SSD (optional)	64GB eMMC (optional)	32GB eMMC (optional)
IDE	N/A	N/A	N/A	N/A
Audio	HD Audio	HD Audio	HD Audio	HD Audio
AMT	N/A	N/A	N/A	N/A
TPM	N/A	N/A	N/A	N/A
Power	12V, 5VSB, VCC_RTC (ATX mode) 12V, VCC_RTC (AT mode)	4.75V~20V, 5VSB, VCC_RTC (ATX mode) 4.75V~20V, VCC_RTC (AT mode)	4.75V~20V, 5VSB, VCC_RTC (ATX mode) 4.75V~20V, VCC_RTC (AT mode)	5V, 5VSB, VCC_RTC
Compliance	COM Express R2.1, Type 6	COM Express R2.1, Type 10	COM Express R2.1, Type 10	Qseven R2.1
Carrier Board	COM332-B	COM100-B	COM100-B	Q7X-151-RC
Operating Temp.	0 to 60°C, -40 to 85°C	0 to 60°C, -40 to 85°C	0 to 60°C, -40 to 85°C	0 to 60°C, -40 to 85°C

*Populated by Default