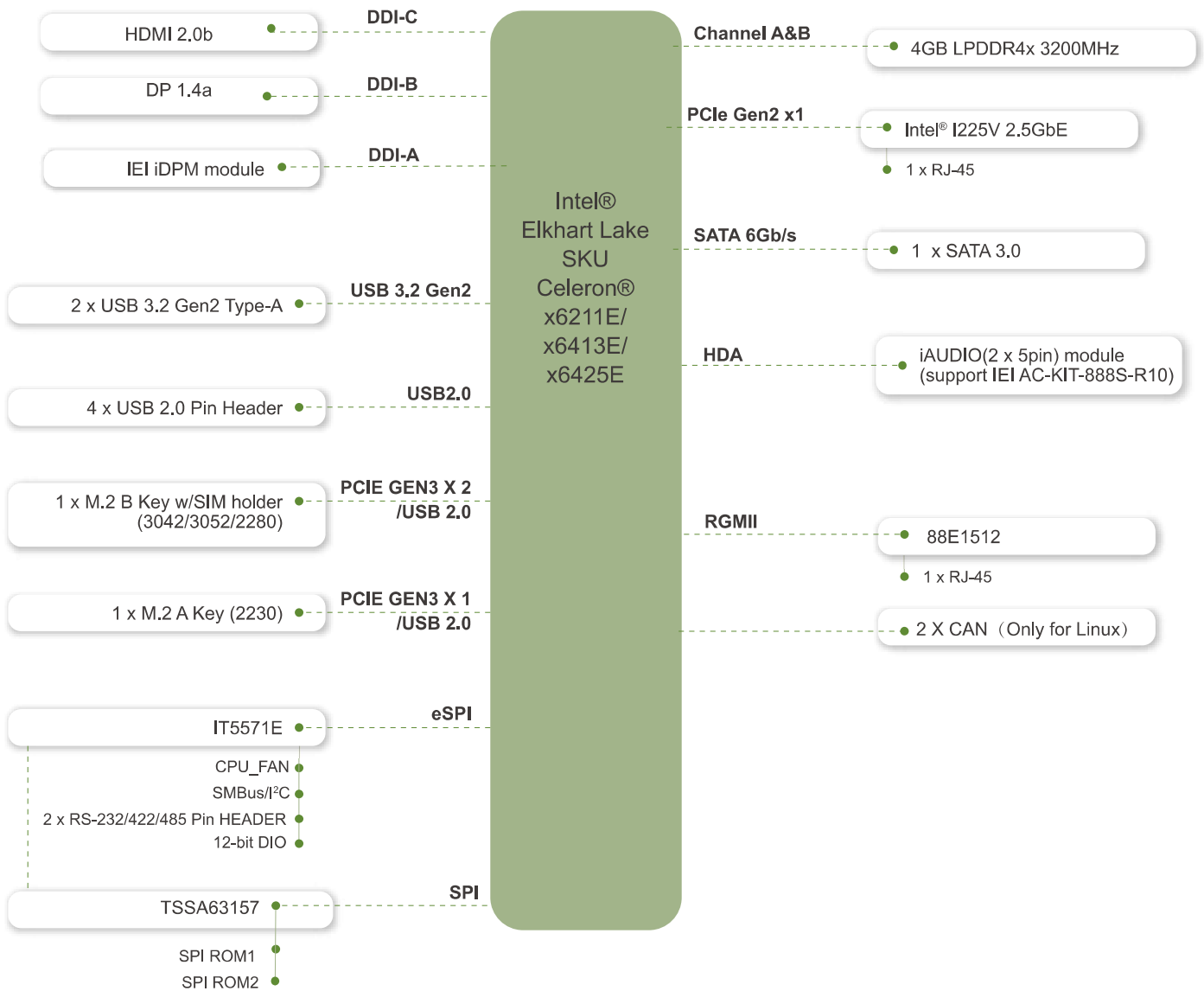


# WAFER-EHL-x6000EW Block Diagram



## Dimensions

Mode	Description
<b>SoC</b>	Onboard Intel® Atom™ x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform) Intel® Celeron® x6211E on-board SoC (up to 3.00 GHz, dual-core, 1.5M Cache, TDP=6W) Intel® Celeron® x6413E on-board SoC (up to 3.0GHz, quad-core, 1.5M Cache, TDP=9W) Intel® Celeron® x6425E on-board SoC (up to 3.0GHz, quad-core, 1.5M Cache, TDP=12W)
<b>BIOS</b>	Dual AMI UEFI BIOS
<b>Memory</b>	4GB 3200 MHz LPDDR4x(up to 8GB LPDDR4x)
<b>Graphics Engine</b>	Intel® Gen11 UHD Graphics
<b>Display Output</b>	Triple Independent Displays 1 x HDMI 2.0a (up to 4096 x 2160@30Hz) 1 x DP 1.4b (up to 4096 x 2304 @60Hz) 1 x IEI iDPM 3040 slot (only FOR IEI eDP/LVDS/VGA Module)
<b>Ethernet</b>	1 x PCIe 2.5 GbE with Intel i225-V 1 x GbE with 88E1512(RGMII)
<b>External I/O Interface</b>	2 x USB 3.2 Gen 2 1 x SATA 6Gb/s with 5V SATA power connector
<b>Internal I/O Interface</b>	4 x USB 2.0 pin header 2 x RS-232/422/485 (1x9 pin, P=1.25) from Super IO 2 x CAN(Only for Linux)
<b>SMBus/ I2C</b>	1 x I2C (1x4 pin, P=2.0)
<b>TPM</b>	Support Intel PTT
<b>Audio</b>	1 x iAUDIO, support IEI AC-KIT-888S Audio Module(2 x 5 pin)
<b>Front Panel</b>	1 x Power LED & HDD LED (1x6 pin) 1 x Power button (1x2 pin) 1 x Reset button (1x2 pin)
<b>LAN LED</b>	2 x LAN LED (1x2 pin)
<b>Expansion</b>	1 x M.2 A Key for WIFI & BT 2230(Pcie Gen3 x2&USB2.0) 1 x M.2 B Key for 5G (Pcie Gen3 x2&USB2.0) 2242
<b>Digital I/O</b>	1 x 12-bit digital I/O (2x7 pin)
<b>FAN connector</b>	1 x System fan connector (1x4 pin)
<b>Power supply</b>	+12V~28V DC input power (AT/ATX mode)
<b>Watchdog Timer</b>	Software Programmable support 1~255 sec. System reset
<b>Power Consumption</b>	TBD
<b>Operating Temperature</b>	-40 C ~85 C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Operating Humidity</b>	5% ~95%, non-condensing
<b>Diemension</b>	146mm x 102mm
<b>Weight</b>	GW:850g / NW:350g

## Packing List

1 x WAFER-EHL-x6000EW single board computer	1 x SATA cable
1 x Power cable	1 x QIG

## Ordering Information

WAFER-EHL-x6211EW-R10	3.5 SBC supports Intel® Atom™ x6211E on-board SoC with 4GB LPDDR4, triple display with DP ,HDMI and eDP slot ,triple 2.5 GbE , USB 3.2 gen 2 x 1 , M.2, SATA 6Gb/s, COM, iAUDIO and RoHS, -40°C ~ 85°C
WAFER-EHL-x6413EW-R10	3.5 SBC supports Intel® Atom™ x6211E on-board SoC with 4GB LPDDR4, triple display with DP ,HDMI and eDP slot ,triple 2.5 GbE , USB 3.2 gen 2 x 1 , M.2, SATA 6Gb/s, COM, iAUDIO and RoHS, -40°C ~ 85°C
WAFER-EHL-x6425EW-R10	3.5 SBC supports Intel® Atom™ x6211E on-board SoC with 4GB LPDDR4, triple display with DP ,HDMI and eDP slot ,triple 2.5 GbE , USB 3.2 gen 2 x 1 , M.2, SATA 6Gb/s, COM, iAUDIO and RoHS, -40°C ~ 85°C