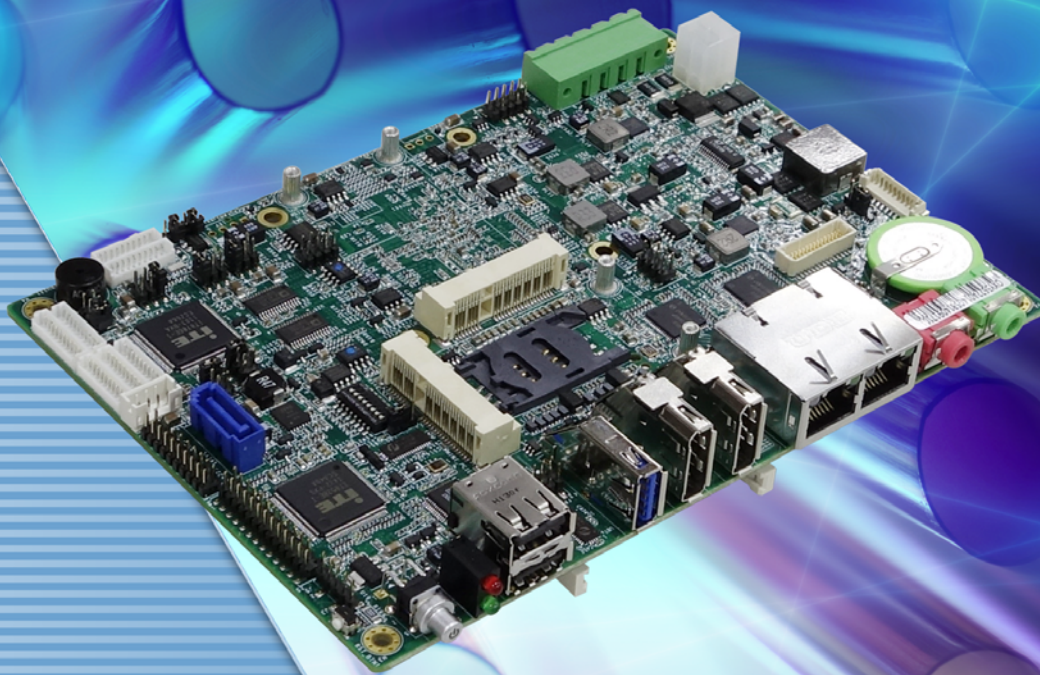


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PERFECTRON

Intel® Bay Trail-I E3845 (1.91 GHz, 10W)/E3815 (1.46 GHz, 5W)/J1900 (2.4GHz, 10W), NAND Drive 32 GB on board, 8GB/4GB DDR3 MIP onboard, 9V~36V DC-in with power delay on/ off, Extended Temperature. -40 to 85°C



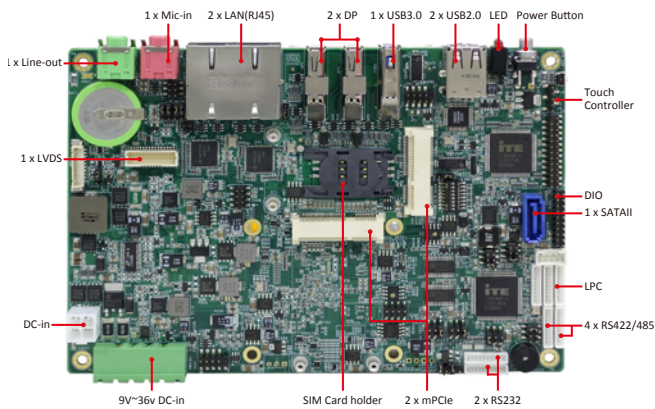
KEY FEATURE

- Support Intel® Bay Trail-I. Celeron CPU
- NAND Drive 32 GB on board
- DDR3 1600MHz 8GB/4GB MIP onboard
- 2 x Mini PCIe expansion
- Multi display: VGA, 2 x DP, LVDS
- 6 x COM ports, 3 x USB ports
- Wide operating temp. -40 to 85°C

it's perfect !

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Intel® Bay Trail-I E3845 (1.91 GHz, 10W)/E3815 (1.46 GHz, 5W)/J1900 (2.4GHz, 10W),
NAND Drive 32 GB on board, 8GB/4GB DDR3 MIP onboard, 9V~36V DC-in with power
delay on/ off, Extended Temperature. -40 to 85°C



Main Features

- Support Intel® Bay Trail-I. Celeron CPU
- NAND Drive 32 GB on board
- DDR3 1600MHz 8GB/4GB MIP onboard
- 2 x Mini PCIe expansion
- Multi display: VGA, 2 x DP, LVDS
- 6 x COM ports, 3 x USB ports
- Wide operating temp. -40 to 85°C

System

CPU Type	Intel® Bay Trail-I E3845 (1.91 GHz, 10W) E3815 (1.46GHz, 5W) Intel® Celeron J1900 (2.4GHz, 10W)
Memory Type	E3845 SKU supports 8GB 1600MHz DDR3 memory on board E3815 SKU supports 4GB 1600MHz DDR3 memory on board J1900 SKU supports 8GB 1600MHz DDR3 memory on board
NAND Drive	32 GB
BIOS	AMI®UEFI BIOS

Display

Chipset	Intel® Gen7 Graphic DX11
VGA	Yes (Max. resolution 1920 x 1200)
LVDS	Dual Channel 24-bit LVDS
Display Type	VGA, LVDS, 2 x DP

Audio

Codec	Realtek ALC887 High Definition Audio Codec
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Ethernet

Chipset	2 x Intel® I210IT GbE
Boot from LAN	Yes for PXE

Rear I/O

Display Port	2
Ethernet	2 x RJ45
USB	1 x USB 3.0 2 x USB 2.0
Audio	Line-out, Mic-in
Power Button	1

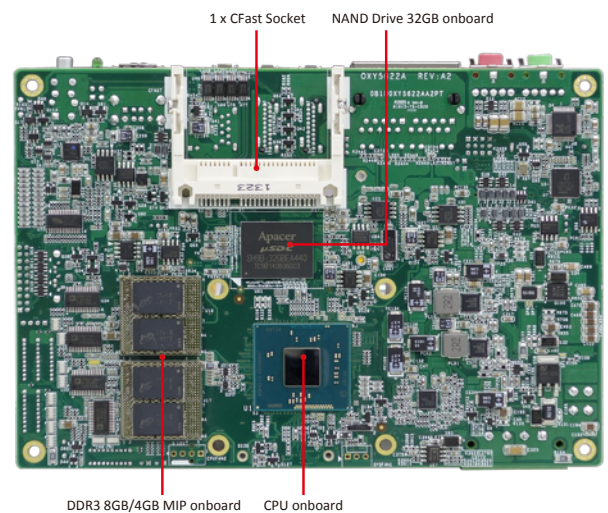
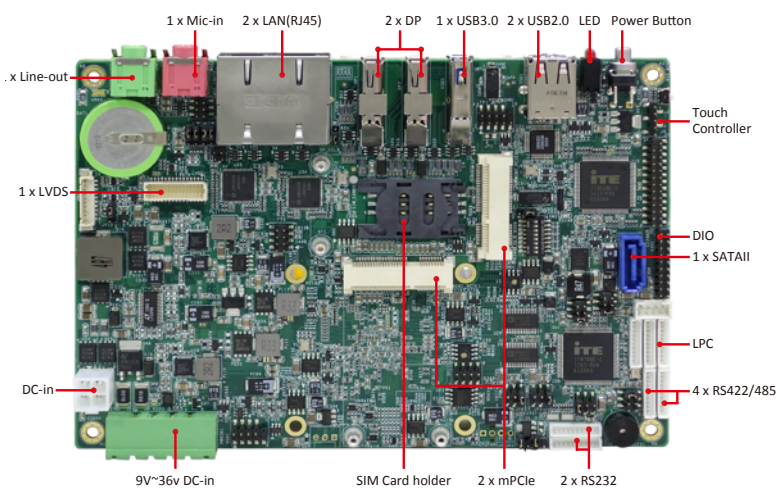
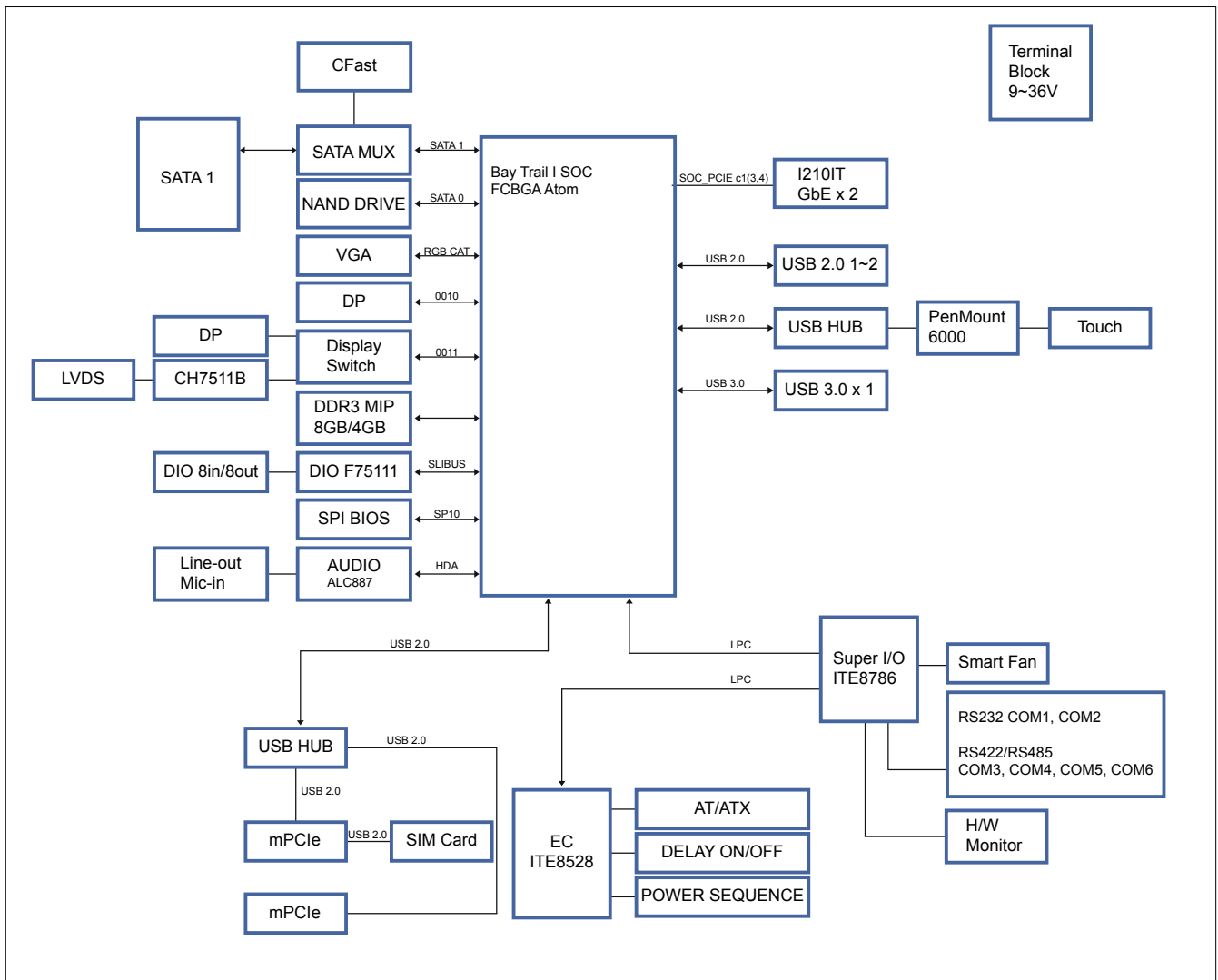
Internal I/O

SATA	2 x SATAII (optional with CFast & NAND Drive)
SSD	1 x CFast socket
VGA	1
COM	6 x RS232
SIM card holder	1
DIO	2 x 10-pin, 8 in/ 8 out
LVDS	2 x 15-pin, share with DP2
Touch	PenMount 6000 resistive touch controller

Mechanical and Environment

Form Factor	EPIC SBC
Power Type	9V~36V DC-in
Dimension	165 mm x 115 mm
Operating Temp.	-40 to 85°C
Storage Temp.	-40 to 85°C
Relative Humidity	10% to 90%, non-condensing

► System Block Diagram



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*All specifications and photos are subject to change without notice.