

# OXY5622A

PERFECTRON

Intel® Bay Trail-I E3845 (1.91 GHz, 10W)/ 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
- 4 x COM ports, 5 x USB ports
- Wide operating temp. -40 to 85°C

Distributed by:



## System

CPU Type	Intel® Bay Trail-I E3845 (1.91 GHz, 10W) Intel® Celeron J1900 (2.4GHz, 10W)
Memory Type	E3845 SKU supports 8GB DDR3 memory onboard J1900 SKU supports 8GB DDR3 memory onboard
NAND Drive	32 GB
BIOS	AMI®UEFI BIOS
Expansion	2 x mPCIe (1 with SIM card, 1 with SATA signal)

## 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® I210-IT 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

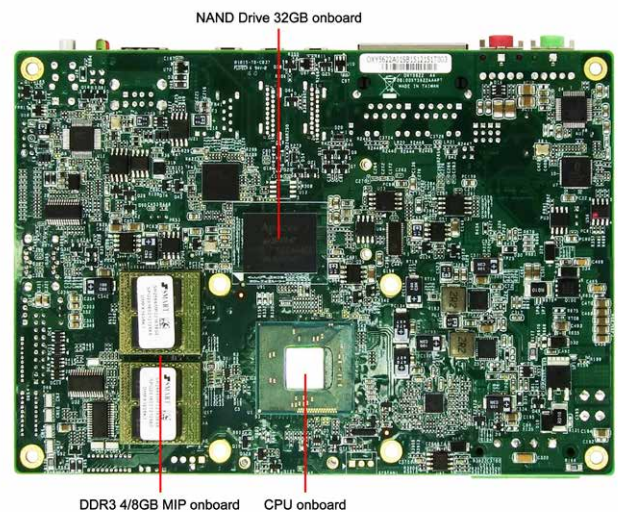
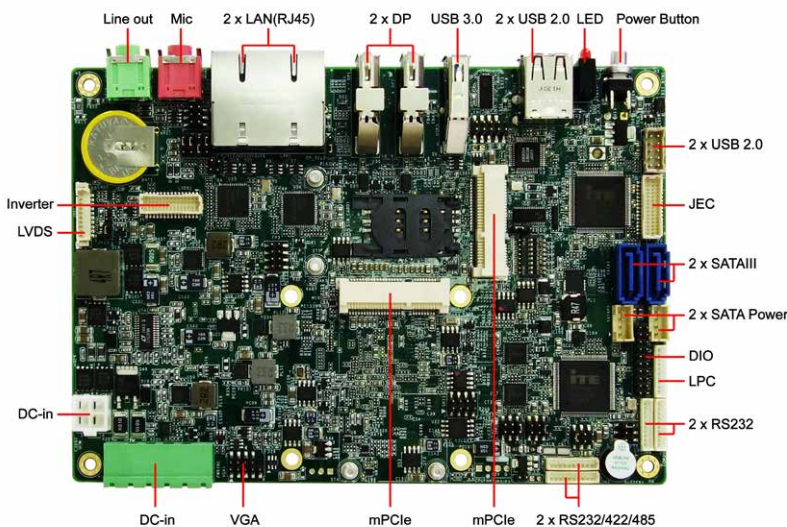
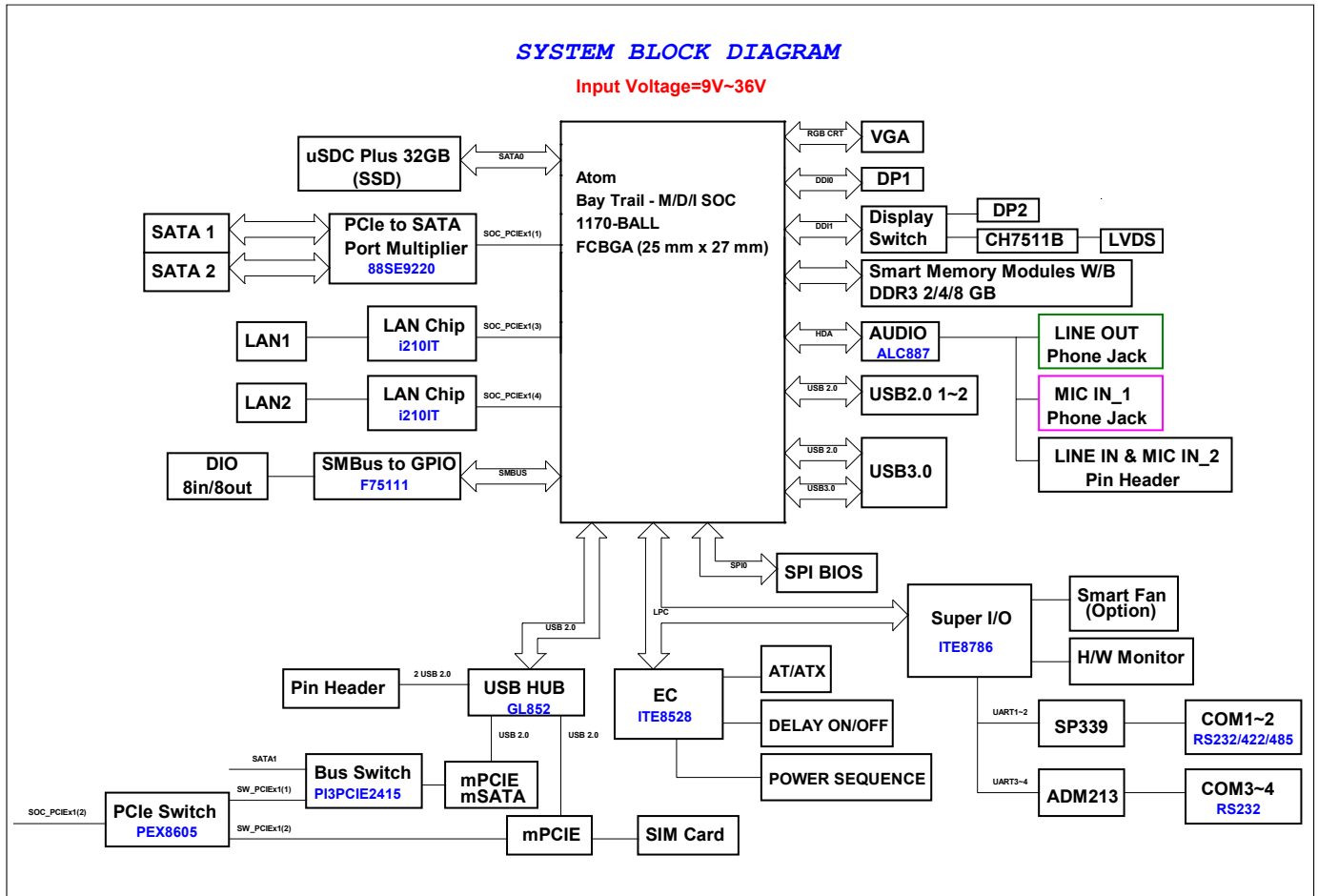
## Internal I/O

SATA	2 x SATAIII
VGA	1
COM	2 x RS232 2 x RS232/422/485
SIM card holder	1
DIO	2 x 10-pin, 8 in/ 8 out
LVDS	2 x 15-pin, share with DP2
USB	2 x 5-pin header for 2 USB 2.0

## 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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