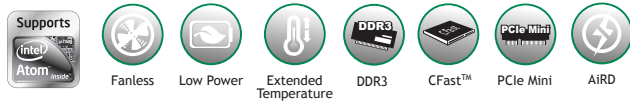
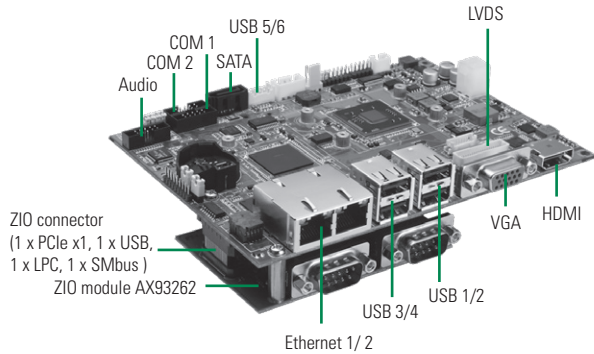


CAPA830

Intel® Atom™ D2550/ N2600/ N2800 3.5"
Embedded SBC with Intel® NM10 Chipset,
LVDS/HDMI/VGA, Dual LANs, Audio and ZIO



System

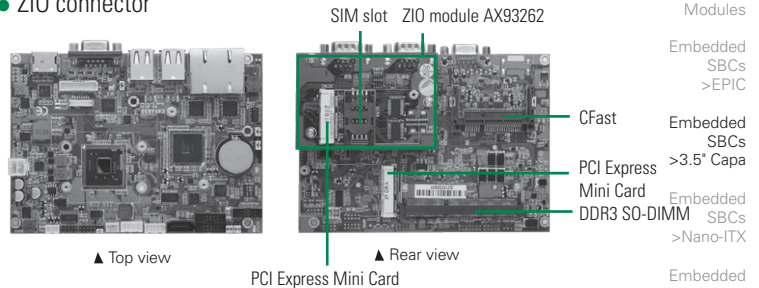
CPU	Intel® Atom™ processor D2550 1.86 GHz/ N2800 1.86 GHz/ N2600 1.6 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3-800/1066 max. up to 4 GB (N2600 supports DDR3 800 max. up to 2 GB)
Chipset	Intel® NM10
BIOS	AMI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery	Lithium 3V/220mAH
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirements	Intel® Atom™ N2600 @ 1.6 GHz, 1GB DDR3 Max. RMS: +12V @ 1.077A Intel® Atom™ N2800 @ 1.86 GHz, 1GB DDR3 Max. RMS: +12V @ 1.156A Intel® Atom™ D2550 @ 1.86 GHz, 1GB DDR3 Max. RMS: +12V @ 1.44A
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	Refer to ordering information
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports as 10/100/1000 Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for Advanced monitoring/control
Digital I/O	8 channels IN/OUT programmable
TMP	Infineon SLB9635 with TPM 1.2 compliant

Features

- Intel® Atom™ processor D2550 (1.86 GHz)/ N2800 (1.86 GHz)/ N2600 (1.6 GHz)
- Intel® NM10 chipset
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 6 USB 2.0 ports
- 2 COM ports
- ZIO connector



Display

Chipset	Intel® GMA 3650 graphics core for D2550/ N2800 Intel® GMA 3600 graphics core for N2600
Memory Size	Share system memory
Display Interface	1 x VGA 1 x HDMI 1 x LVDS; 18/24-bit single/dual channel

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0mm, L=300mm	1
59384500100E	Audio cable w/ bracket P=2,450mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180mm	1

Ordering Information

Standard					
Models	Fanless	PCI Express Mini Card	SIM Slot	RS-232/422/485	RS-232
CAPA830VHGGGA-D2550	Heatsink fan	1	N/A	1	1
CAPA830VHGGGA-N2800	Yes	1	N/A	1	1
CAPA830VHGGGA-N2600	Yes	1	N/A	1	1
CAPA830VHGGGA-D2550-ZIO	Heatsink fan	2	1	3	3
CAPA830VHGGGA-N2800-ZIO	Yes	2	1	3	3
CAPA830VHGGGA-N2600-ZIO	Yes	2	1	3	3