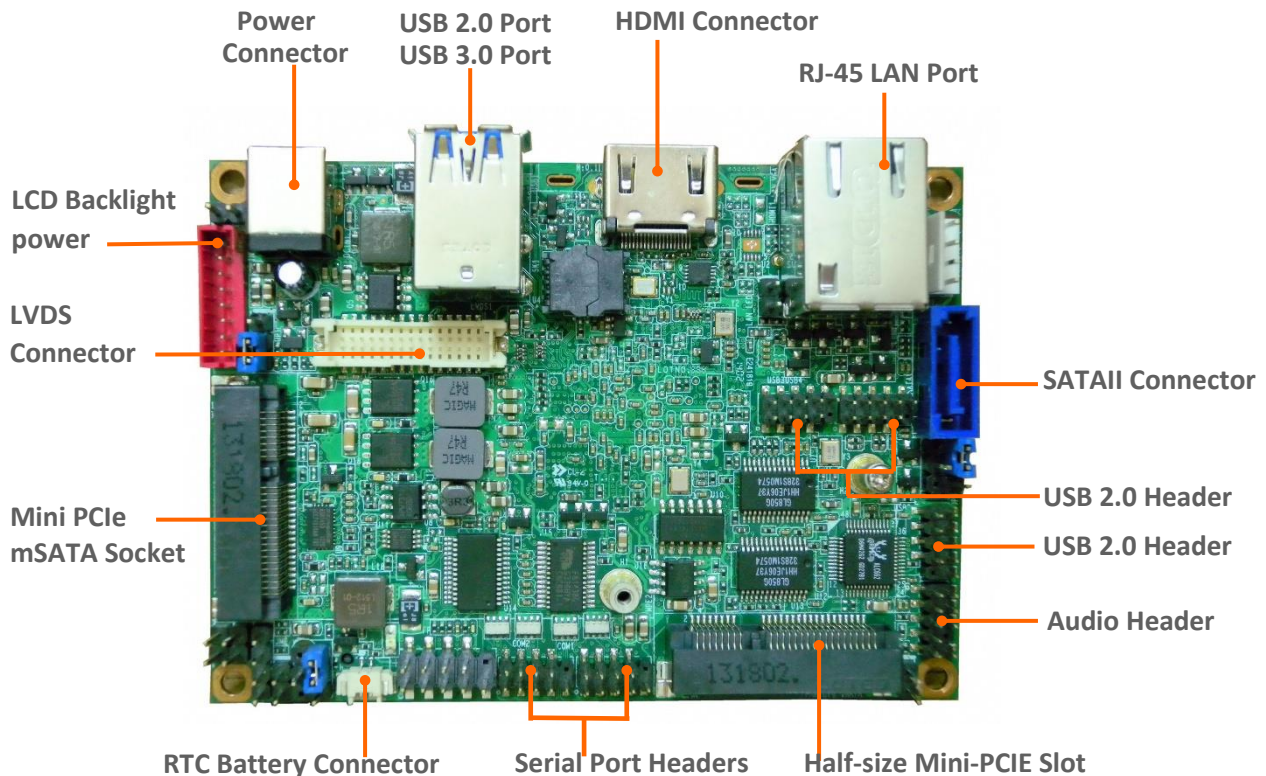


NC-885N

Bay Trail Pico-ITX SBC

Datasheet Version 1.0



NC-885 is a single-board computer designed for industrial and embedded applications and based on the Intel Bay Trail Pico-iTX processor family.

NC885 is a quad core SBC featuring 2GB RAM and 16GB SSD with a Linux or Windows Embedded Standard 7 image installed. Its on-board LVDS port allows direct interfacing with a range of TFT panels.

Gbit Ethernet and Intel graphics in a tiny footprint make it an excellent solution for general purpose computing where space is a premium. Its small size, range of supported touchscreen display panels and industrial I/O make it an excellent choice for Industrial HMIs. The board also features a halfsize mini-PCIe which can be used to add WIFI functionality.

Feature	Specification
CPU	NC-885N: INTEL Bay Trail 4-core N2930 CPU, 1.86GHz, 7.5W TDP
Memory	4GB DDR3L RAM soldered on board
Storage	SSD 16GB Msata 3ME MLC
Power Management	ACPI S3 Compliant, support, Power saving mode
Optional VGA	Integrated 7th Intel Graphics support DX11, OGL3.2, max. 1920x1200 resolution
LVDS	24 bit Dual Channel LVDS, max 1920 x 1200
HDMI	1.4a: max 1920 x 1200
SATA II	1 x SATA II (3GB/s) Device Support 1 x mSATA/mini-PCIe full size mini-PCIe socket
Audio	Realtek ALC662 HD Audio Codec
Ethernet	Realtek RTL8111G Gigabit LAN x 1
USB	7 x USB 2.0 host ports, 1 x USB 3.0 host port
Mini PCIe Socket	1 x mSATA / mini-PCIe full size mini-PCIe socket 1 x half-size mini-PCIe socket
COM	RS-232/422/485 x 1, RS-232 x 1
BIOS	AMI UEFI
Dimensions	100 x 72 mm (Pico-iTX form factor)
Power Input	12VDC-IN
Power Consumption	2W - 10W (depending on load)
Operating Temperature	0°C to 60°C

Diagrams

