W-N95 VER:0.0 Board

- 12*7Pin SATA3.0，广泛应用于安防监控数据储存、硬盘矿机，支持Linux黑群晖系统
- Intel® Celeron® Processor Jasper Lake N5095 ，2.0~2.9 GHz ，4M缓存 TDP 15W
- 1*DDR4-2933MHz SODIMM，最大至16G
- 2*REALTEK RTL8111H 1000M自适应网卡，支持网络唤醒，无盘启动
- 1*MSATA(MSATA与SATA1二选一),最大传输速率6Gb/s，1*M2_SSD NVME/PCIE3.0_2X
- TPM、GPIO/提供8路GPIO控制，1*RS232

User Manual

Manual Rev:0.0 Book Number: W-N95 2022-04-11

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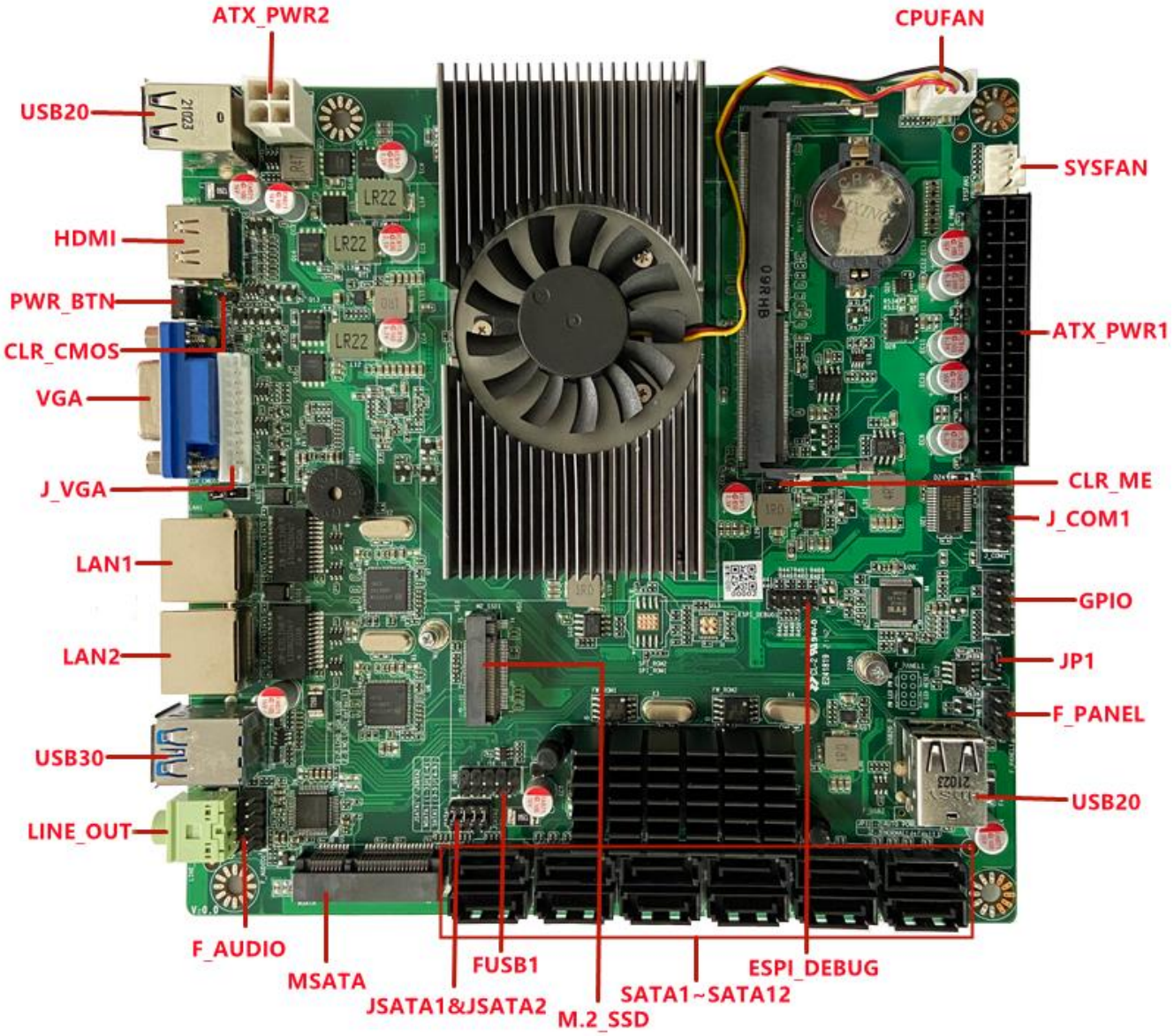
Specifications

CPU	Intel Celeron Processor Jasper Lake N5095 4M Cache up to 2.0~2.90 GHz TDP 15W
Chipset	Intel® Celeron® N5095
Memory	Supports Single channel so-ddr4 Supports up to 2933MHz,SODIMM
Storage	12*7Pin SATA3.0，广泛应用于安防监控数据储存、硬盘矿机，支持Linux黑群晖系统
Ethernet LAN	2*INTEL I225-V 2.5G自适应网卡，支持网络唤醒，无盘启动
USB	外置2*USB3.0,外置2*USB2.0, 内置4*USB2.0
Special Features	支持VGA、HDMI同步或异步双显示输出
Rear Panel I/O	2*USB2.0 1*VGA 1*HDMI 2*USB3.0 2*LAN 1*LINE_OUT 1*PWR_BTN
Internal I/O	1*CLR_CMOS 1*SYSFAN1 1*SIM 12*SATA 1*J_VGA 1*M2_SSD 1*MSATA 1*SODIMM 1*F_PANEL 1*J_COM1 1*FAUDIO 1*GPIO 1*F_USB1 2*USB2.0 1*JSATA_1/2 1*ESPI_DEBUG 1*JP1 1*ATX_PWR 1*JP4 1*CLR_CMOS
BIOS	AMI 128Mb BIOS,ACPI supported, Supports Power on startup
Size	MINI-ITX（170*170mm）
Packing	N/A
Temperature	Operating within -20~50 centigrade

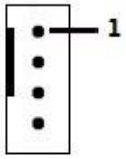

ATX_PWR2
CPUFAN
USB20
SYSFAN
HDMI
ATX_PWR1
PWR_BTN
CLR_CMOS
VGA
CLR_ME
J_VGA
J_COM1
LAN1
GPIO
LAN2
JP1
F_PANEL
USB30
USB20
LINE_OUT
F_AUDIO
MSATA
FUSB1
ESPI_DEBUG
JSATA1&JSATA2
SATA1~SATA12
M.2_SSD

Connector and Jumper Setting

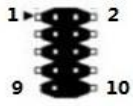
1) CLR_CMOS： CMOS Data retention/clear

	STATUS	Setting
	Open	C-MOS data retention(default)
	Short	C-MOS data Clear

2) CPUFAN/SYSFAN

	PIN	Define
	1	GND
	2	12V
	3	Fan speed data
	4	5V

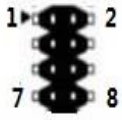
3) J_COM1connector

	PIN	Define	PIN	Define
	1	-NDCD	2	SIN
	3	SOUT	4	DTR
	5	GND	6	DSR
	7	RTS	8	CTS
	9	RI	10	N/A

4) JP1：POWER ON / POWER OFF

	STATUS	Setting
	1-2	ON
	2-3	OFF

5) F_PANEL（FP_BN）：Front panel connector

	STATUS	Setting
	1-3	HD_LED
	2-4	PW_LED
	5-7	Reset
	6-8	PW_BN

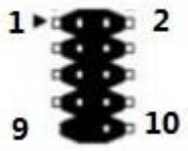
6) MSATA1/SATA1

	JSATA1/JSATA2	
	MSATA	1-3/2-4
	SATA1	3-5/4-6

7) JP4:POWER ON / POWER OFF

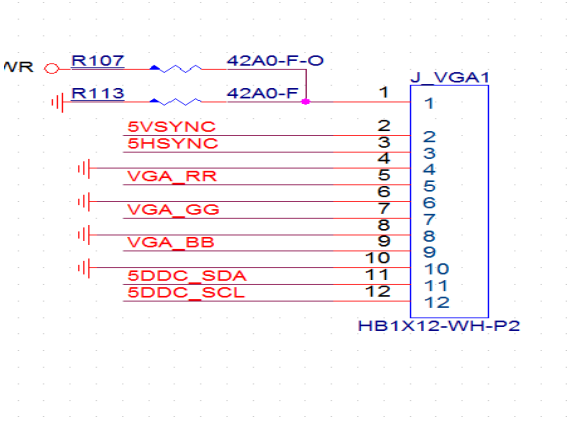
	STATUS	Setting
	1-2	ON
	2-3	OFF

8) F_USB1：Internal USB2.0 connector

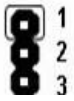


PIN	Define
1	5V
2	USB1-
3	USB1+
4	GND

9) J_VGA

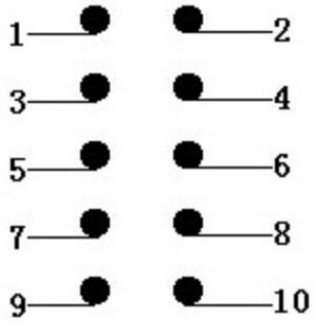


10) JP4



STATUS	Setting
1-2	LOAD VGA EDID
2-3	NO LOAD(default)

11) GPIO



1	GPIO34	GPIO38	2
3	GPIO38	GPIO68	4
5	GPIO71	GPIO69	6
7	GPIO70	GPIO48	8
9	GND	VCC	10