

# Guia de Instalação IPX4020E

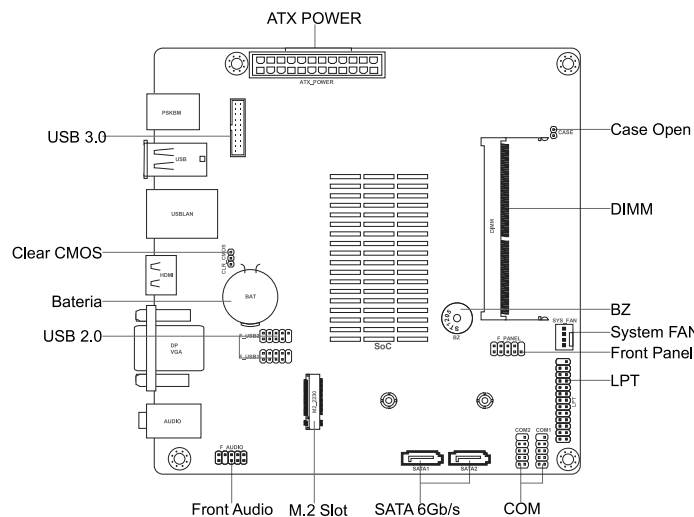


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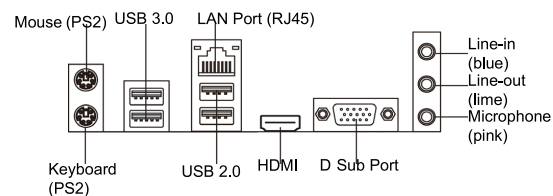
## Especificações

<b>CPU</b>	<ul style="list-style-type: none"> <li>Intel® Celeron® N4020 Dual Core</li> </ul>
<b>Memória</b>	<ul style="list-style-type: none"> <li>DDR4 SO-DIMM</li> <li>1 x soquete 260- pinos suporte até 8GB</li> <li>Suporte até DDR4 2400 MHz SDRAM</li> </ul>
<b>Expansão</b>	<ul style="list-style-type: none"> <li>1 x M.2 slot (Soquete 3 key A/E 223 para WiFi/BT suporta CNVi)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>Suporte através Intel® Gemini Lake 1090 BGA 14nm</li> <li>- 2 x Serial ATA 6Gb/s</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Realtek ALC897 8CH HD Audio CODEC</li> <li>- 8-Canais em alta definição</li> <li>- Compatível com as especificações de Audio HD</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>Realtek RTL8111H Gigabit Lan</li> </ul>
<b>I I/O</b>	<ul style="list-style-type: none"> <li>1 x Conector PS/2 Keyboard &amp; PS/2 Mouse</li> <li>2 x Portas USB 3.0</li> <li>1 x Conector RJ45 LAN</li> <li>2 x Portas USB 2.0</li> <li>1 x Porta HDMI</li> <li>1 x Porta D-sub (VGA)</li> <li>1 x Audio port (1 x line-in, 1 x line-out, 1 x Microfone)</li> </ul>
<b>Conectores Internos</b>	<ul style="list-style-type: none"> <li>1 x Conector 24-pin ATX Power</li> <li>1 x Conector 4-pin SYS_FAN</li> <li>2 x Conector USB 2.0 que suporte até 4 portas USB 2.0</li> <li>2 x Serial ATA 6Gb/s connectors</li> <li>2 x Conectores COM</li> <li>1 x Buzzer</li> <li>1 x Painel Frontal</li> <li>1 x Conector de Audio Frontal</li> <li>1 x Clear CMOS</li> <li>1 x Case open</li> <li>1 x Conector LPT</li> <li>1 x Conector USB 3.0 que suporte até 2 portas USB 3.0</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI BIOS with 128Mb SPI Flash ROM</li> <li>Suporte Plug &amp; Play, STR (S3)/ STD (S4), Hardware Monitor</li> <li>Suporte ACPI &amp; DMI</li> <li>Audio (Buzzer)</li> <li>F7 hot key para opções de BIOS</li> <li>Suporte PgUp clear CMOS Hotkey</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>Mini ITX Size, 170mm x 170mm</li> </ul>

## Layout Motherboard



## IO Portas

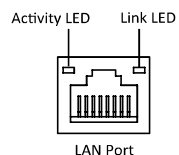


## Jumper

Clear CMOS



## LAN LED indicators



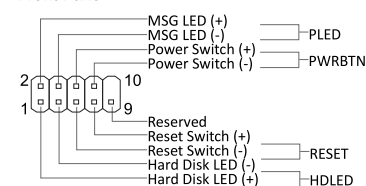
LAN LED	Status	Description
Atividade LED	Desligado	Sem dados
	Laranja piscando	Ativo
Link LED	Desligado	Sem Link
	Verde	Link

## Pinos Definições

### ATX Power

Pin	Definição	Pin	Definição
1	+3.3V	13	+3.3V
2	+3.3V	14	-12V
3	GND	15	GND
4	+5V	16	PS ON
5	GND	17	GND
6	+5V	18	GND
7	GND	19	GND
8	Power Good	20	-5V
9	5VSB	21	+5V
10	+12V	22	+5V
11	+12V	23	+5V
12	+3.3V	24	GND

### Front Panel



### LPT

Pin	Definição	Pin	Definição
1	STROBE	14	AFD
2	PD0	15	ERROR
3	PD1	16	INIT
4	PD2	17	SLCT
5	PD3	18	GND
6	PD4	19	GND
7	PD5	20	GND
8	PD6	21	GND
9	PD7	22	GND
10	ACK	23	GND
11	BUSY	24	GND
12	PE	25	GND
13	SLCT	26	No Pin

### USB 3.1 Gen1

Pin	Definição	Pin	Definição
1	STROBE	14	AFD
2	PD0	15	ERROR
3	PD1	16	INIT
4	PD2	17	SLCT
5	PD3	18	GND
6	PD4	19	GND
7	PD5	20	GND
8	PD6	21	GND
9	PD7	22	GND
10	ACK	23	GND

### System FAN

Pin	Definição
1	GND
2	+12V
3	Sensor
4	PWM

### USB 2.0

Pin	Definição
1	Power +5V
2	Power +5V
3	USB Port A (-)
4	USB Port B (-)
5	USB Port A (+)
6	USB Port B (+)
7	GND
8	GND
9	No Pin
10	NC

### SATA 6Gb/s

Pin	Definição
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND

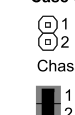
### COM

Pin	Definição
1	DCDB
2	SINB
3	SOUTB
4	DTRB
5	GND
6	DSRB
7	RTSB
8	CTSB
9	RI
10	No Pin

### Front Audio

Pin	Definição
1	MIC2_L
2	GND
3	MIC2_R
4	NC
5	LINE2_R
6	Sense
7	GND
8	No Pin
9	LINE2_L
10	Sense

### Case Open



Chassis cover removido

Chassis cover fechado

PRODUZIDO NO  
PÓLO INDUSTRIAL  
DE MANAUS



CONHEÇA A AMAZÔNIA

Produzido por CNPJ: 84.489.988/0005-18