

# Pro A320M-R WI-FI

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## CPU

AMD AM4 Socket for 3rd/2nd/1st Gen AMD Ryzen™/2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics/Athlon™ with Radeon™ Vega Graphics/7<sup>th</sup> Generation A-series/Athlon X4 Processors  
Supports CPU up to 8 cores

\* Refer to [www.asus.com](http://www.asus.com) for CPU support list

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## Chipset

AMD A320

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## Memoria

**3rd/2nd/1st Gen AMD Ryzen™/ 2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics/ Athlon™ with Radeon™ Vega Graphics Processors**

2 x DIMM, Max. 32GB, DDR4 2933/2666/2400/2133 MHz Un-buffered Memory

**AMD 7th Generation A-Series/Athlon X4 Processors**

2 x DIMM, Max. 32GB, DDR4 2400/2133 MHz Un-buffered Memory  
Dual Channel Memory Architecture

ECC Memory (ECC mode) support varies by CPU.

\* Hyper DIMM support is subject to the physical characteristics of individual CPUs.

\* Refer to [www.asus.com](http://www.asus.com) for the Memory QVL (Qualified Vendors Lists).

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## Gráficos

Integrated Graphics in the 2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics /Athlon™ with Radeon™ Vega Graphics /7th Generation A-Series APU

Multi-VGA output support : HDMI/RGB/DisplayPort ports

- Supports HDMI 1.4b with max. resolution 4096 x 2160 @ 24 Hz /

2560 x 1600 @ 60 Hz

- Supports RGB with max. resolution 1920 x 1200 @ 60 Hz

- Supports DisplayPort with max. resolution 4096 x 2304 @ 60 Hz

Maximum shared memory of 2048 MB (for iGPU exclusively)

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## Slots de Expansión

### **3rd/2nd/1st Gen AMD Ryzen™ Processors**

1 x PCIe 3.0/2.0 x16 (x16 mode)

### **2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics /7th Generation A-series/Athlon X4 Processors**

1 x PCIe 3.0/2.0 x16 (x8 mode)

### **AMD Athlon™ with Radeon™ Vega Graphics Processors**

1 x PCIe 3.0/2.0 x16 (x4 mode)

### **AMD A320 chipset**

1 x PCIe 3.0/2.0 x1

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## Almacenamiento

### **AMD A320 chipset :**

4 x SATA 6Gb/s port(s), gray,

Support Raid 0, 1, 10

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## LAN

Realtek® RTL8111H, 1 x Gigabit LAN Controller(s)

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## Datos de redes inalámbricas

Wi-Fi 802.11 a/b/g/n/ac

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## Bluetooth

Bluetooth® 5.0

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## Audio

Realtek® ALC887 8-Channel High Definition Audio CODEC

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## Puertos USB

**AMD Ryzen™ 2nd Generation/ Ryzen™ with Radeon™ Vega Graphics/  
Athlon™ with Radeon™ Vega Graphics/ Ryzen™ 1st Generation/ 7th  
Generation A-Series/ Athlon™ X4 Processors :**

1 x USB 3.1 Gen 2 port(s) (Type-C, 1 at mid-board)

**AMD A320 chipset :**

6 x USB 3.1 Gen 1 port(s) (4 at back panel, , 2 at mid-board)

**AMD A320 chipset :**

4 x USB 2.0 port(s) (4 at mid-board)

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## Características Especiales

**ASUS Q-Design :**

- ASUS Q-Slot

- ASUS Q-DIMM

**Bespoke Motherboard Design & Business Focused Features :**

- **ASUS Self Recovering BIOS:** Automatically recover BIOS update once crash happen

- **ASUS Event Log:** Record activities of system and provides information in BIOS

- **ASUS Commercial BIOS kit:** Speed up BIOS update solution by partial BIOS design

- **Anti-Moisture:** Against moisture and corrosion — prolonging the life of your motherboard

- **24/7 Reliability:** Tested under temperature up to 45°C and humidity up to 80% to ensure handle diverse environment

**Easy Assembly Design:**

- **Fixed-position&Color-coded Connectors:** Enable easy identification and cable-matching, speeding up the production line

- **Box Headers:** USB headers are box style, enabling fast connector installation and preventing pin damage

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## Puertos I/O Traseros

1 x PS/2 keyboard (purple)

1 x PS/2 mouse (green)

1 x D-Sub

1 x DisplayPort  
1 x HDMI  
1 x LAN (RJ45) port(s)  
4 x USB 3.1 Gen 1 (blue)  
3 x Audio jack(s)  
ASUS Wi-Fi module (Wi-Fi 802.11 a/b/g/n/ac and Bluetooth v5.0)

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## Internal I/O

1 x USB 3.1 Gen2 connector support additional 1 USB ports(20-pin, Type-C)  
1 x USB 3.1 Gen 1(up to 5Gbps) connector(s) support(s) additional 2 USB 3.1 Gen 1 port(s) (19-pin)  
2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)  
1 x SPI TPM header  
1 x COM port(s) connector(s)  
4 x SATA 6Gb/s connector(s)  
1 x CPU Fan connector(s) (1 x 4 -pin)  
1 x Chassis Fan connector(s) (1 x 4 -pin)  
1 x 24-pin EATX Power connector(s)  
1 x 4-pin ATX 12V Power connector(s)  
1 x Front panel audio connector(s) (AAFP)  
1 x System panel(s)  
1 x Chassis Intrusion connector(s)  
1 x Clear CMOS jumper(s)  
1 x LPC Debug header  
1 x Speaker connector

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## Accessorios

User's manual  
I/O Shield  
2 x SATA 6Gb/s cable(s)  
1 x Supporting DVD  
1 x Wi-Fi Antenna(s)

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## BIOS

128 Mb Flash ROM, UEFI AMI BIOS, PnP, SM BIOS 3.0, ACPI 6.1, Multi-language BIOS, ASUS smart recovering BIOS, ASUS Event log, ASUS Commercial Kit

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## Sistema Operativo

Windows® 10 64-bit

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## Factor de forma

mATX Form Factor

8.9 inch x 7.9 inch ( 22.9 cm x 20.3 cm )

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## Nota

\* Windows 7 64-bit is only supported when using AMD Ryzen™ 2nd Generation/ Ryzen™ 1st Generation / 7th Generation A-series/ Athlon X4 Processors.

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