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**SOLUTIONS
PRO**

**RÉSEAUX
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SUPPORT

**OÙ
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GA-A320M-S2H (rev. 1.x)

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AMD A320 Chipset

Comparer

AM4 Socket:

Processeur

1. AMD Ryzen™ processor
2. AMD 7th Generation A-series/ Athlon™ processor

(Please refer "CPU Support List" for more information.)

Chipset

1. AMD A320

Mémoire

1. 2 x DDR4 DIMM sockets supporting up to 32 GB of system memory
2. Dual channel memory architecture
3. Support for DDR4 3200(O.C.)/2933(O.C.)/2667*/2400/2133 MHz memory modules
* Actual support may vary by CPU.
4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)
5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
6. Support for Extreme Memory Profile (XMP) memory modules

(Please refer "Memory Support List" for more information.)

Integrated Graphics Processor:

Carte Graphique Intégrée

1. 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz
2. 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz
* The DVI-D port does not support D-Sub connection by adapter.
3. 1 x HDMI port, supporting a maximum resolution of 4096x2160@24 Hz
* Support for HDMI 1.4 version.

Maximum shared memory of 2 GB

* Actual support may vary by CPU.

Audio

1. Realtek® ALC887 codec
2. High Definition Audio
3. 2/4/5.1/7.1-channel
 - * To configure 7.1-channel audio, you have to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver.
4. Support for S/PDIF Out

Réseau

1. Realtek® GbE LAN chip (10/100/1000 Mbit)

Port d'expansion

1. 1 x PCI Express x16 slot, running at x16 (PCIEX16)
 - * Actual support may vary by CPU. (The PCIEX16 slot conforms to PCI Express 3.0 standard.)
2. 2 x PCI Express x1 slots (The PCI Express x1 slots conform to PCI Express 2.0 standard.)

Interface de Stockage

1. 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe x4/x2* SSD support)
 - * Actual support may vary by CPU.
 - * Supports only M.2 SATA SSDs when using an AMD 7th Generation A-series or Athlon™ processor.
 2. 4 x SATA 6Gb/s connectors
 3. Support for RAID 0, RAID 1, and RAID 10
 - * Refer to "1-7 Internal Connectors," for the installation notices for the M.2 connector.
-

Chipset:

USB

1. 2 x USB 3.1 Gen 1 ports available through the internal USB header
2. 6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)

CPU:

1. 4 x USB 3.1 Gen 1 ports on the back panel

Connecteurs d'entrées/sorties internes

1. 1 x 24-pin ATX main power connector
 2. 1 x 8-pin ATX 12V power connector
 3. 1 x CPU fan header
 4. 1 x system fan header
 5. 1 x M.2 Socket 3 connector
 6. 4 x SATA 6Gb/s connectors
 7. 1 x front panel header
 8. 1 x front panel audio header
 9. 1 x S/PDIF Out header
 10. 1 x USB 3.1 Gen 1 header
 11. 2 x USB 2.0/1.1 headers
 12. 1 x Trusted Platform Module (TPM) header (2x10 pin, for the GC-TPM2.0 module only)
 13. 1 x speaker header
 14. 1 x Clear CMOS jumper
 15. 1 x chassis intrusion header
-

**Connecteur du
Panneau Arrière**

1. 1 x PS/2 keyboard port
2. 1 x PS/2 mouse port
3. 1 x D-Sub port
4. 1 x DVI-D port
5. 1 x HDMI port
6. 4 x USB 3.1 Gen 1 ports
7. 2 x USB 2.0/1.1 ports
8. 1 x RJ-45 port
9. 3 x audio jacks (Line In, Line Out, Mic In)

**Contrôleur
d'Entrée/Sortie**

1. iTE® I/O Controller Chip

**Monitoring
Matériel**

1. Voltage detection
 2. Temperature detection
 3. Fan speed detection
 4. Overheating warning
 5. Fan fail warning
 6. Fan speed control
- * Whether the fan speed control function is supported will depend on the cooler you install.

BIOS

1. 1 x 128 Mbit flash
 2. Use of licensed AMI UEFI BIOS
 3. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
-

1. Support for APP Center
* Available applications in APP Center may vary by motherboard model.
Supported functions of each application may also vary depending on motherboard specifications.

@BIOS

3D OSD

AutoGreen

BIOS Setup

Cloud Station

Color Temperature

EasyTune

Fast Boot

Game Boost

ON/OFF Charge

Smart Backup

Smart Keyboard

Smart TimeLock

System Information Viewer

USB Blocker

V-Tuner

2. Support for Q-Flash
3. Support for Xpress Install

Fonctionnalités Exclusives

Logiciels Fournis

1. Norton® Internet Security (OEM version)
 2. cFosSpeed
-

Système d'Exploitation

1. Support for Windows 10 64-bit
2. Support for Windows 7 64-bit
 - * To support Windows 7 64-bit, you must install an AMD Summit Ridge & Bristol Ridge CPU.
 - * Please download the "Windows USB Installation Tool" from GIGABYTE's website and install it before installing Windows 7.

Dimensions

1. Micro ATX Form Factor; 24.4cm x 19.5cm

Remarque

1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.
2. Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP. If drivers are available from the vendors, we will update them on the GIGABYTE website.

* Les informations ici proposées le sont pour référence uniquement.

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*Les performances affichées sont basées sur les informations proposées par les constructeurs de chipsets ou sociétés définissant les caractéristiques des interfaces. Performances pouvant varier selon configuration.

* Marques et logos appartiennent aux détenteurs respectifs de leurs droits.

* L'architecture de grand nombre de PC affectera directement la capacité mémoire, en effet, une certaine quantité de RAM sera affectée au système, la quantité totale affichée pourra alors varier de celle insérée sur votre carte mère

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Support technique

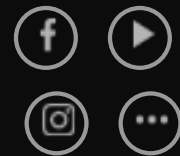
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