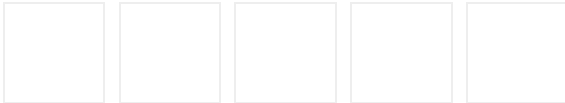


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GA-F2A85XN-WIFI AMD A85X Chipset



- GIGABYTE Digital Power design with GIGABYTE Ultra Durable™ 4 Plus technology
- Supports socket FM2 AMD A-series/ Athlon-series processors
- Enhanced AMD Radeon HD 8000/7000-series graphics (DX11) integrated with the APU
- 1 PCI-E 2.0 x16 interfaces with AMD Dual Graphics, Eyefinity support
- Features dual HDMI/ Dual-link DVI ports for Full HD 1080 and HDCP support
- Features Atheros Dual Band 802.11 a/b/g/n 300Mbps + BLUTETOOTH 4.0 wireless solution
- 4 USB 3.0 ports with transfer rates of up to 5Gbps
- 4 SATA3 ports with up to 6Gbps link speed and RAID 0,1,5,10 support
- GIGABYTE On/Off Charge technology with 3x USB power design



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<p>APU</p>	<p>FM2 Socket:</p> <ol style="list-style-type: none"> 1. AMD A series processors 2. AMD Athlon™ series processors <p>(Please refer "CPU Support List" for more information.)</p>
<p>Chipset</p>	<ol style="list-style-type: none"> 1. AMD A85X
<p>Memory</p>	<ol style="list-style-type: none"> 1. 2 x 1.5V DDR3 DIMM sockets supporting up to 64 GB of system memory <ul style="list-style-type: none"> * Due to a Windows 32-bit operating system limitation, when more than 4 GB of physical memory is installed, the actual memory size displayed will be less than the size of the physical memory installed. * The maximum 64 GB of system memory can be supported using 16 GB (or above) memory modules. GIGABYTE will update the memory support list on the official website when the memory modules are available on the market. 2. Dual channel memory architecture 3. Support for DDR3 2400(OC)/1866/1600/1333/1066 MHz memory modules 4. Support for AMD Memory Profile (AMP)/Extreme Memory Profile (XMP) memory modules <p>"Memory support is dependent on memory module compatibility and system OS". (Please refer "Memory Support List" for more information.)</p>

Onboard Graphics	<p>APU with integrated AMD Radeon™ HD 8000/7000 series graphics: * To use the onboard graphics ports, you must install an AMD APU with integrated graphics.</p> <ol style="list-style-type: none"> 1 x DVI-D port, supporting a maximum resolution of 2560x1600 * Support for 2560x1600 resolution requires both a monitor and cable that support Dual Link DVI. * The DVI-D port does not support D-Sub connection by adapter. 2 x HDMI ports, supporting a maximum resolution of 1920x1200 * Support for HDMI 1.4a version. Support for DirectX 11 Maximum shared memory of 2 GB
Audio	<ol style="list-style-type: none"> 1. Realtek® ALC892 codec High Definition Audio 2/4/5.1/7.1-channel Support for S/PDIF Out
LAN	<ol style="list-style-type: none"> 1. Realtek® GbE LAN chip (10/100/1000 Mbit)
Wireless Communication module	<ol style="list-style-type: none"> 1. Wi-Fi 802.11 a/b/g/n, supporting 2.4/5 GHz Dual-Band Bluetooth 4.0, 3.0+HS, 2.1+EDR
Expansion Slots	<ol style="list-style-type: none"> 1 x PCI Express x16 slot, running at x16 (The PCI Express slots conform to PCI Express 2.0 standard.) 1 x mini-PCI Express slot for the wireless communication module
Multi-Graphics Technology	<ol style="list-style-type: none"> 1. Support for AMD Dual Graphics technology * Only A series APUs support AMD Dual Graphics.
Storage Interface	<p>Chipset:</p> <ol style="list-style-type: none"> 4 x SATA 6Gb/s connectors supporting up to 4 SATA 6Gb/s devices Support for RAID 0, RAID 1, RAID 5, RAID 10, and JBOD
USB	<p>Chipset:</p> <ol style="list-style-type: none"> Up to 4 USB 3.0/2.0 ports (2 ports on the back panel, 2 ports available through the internal USB header) Up to 6 USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)
Internal I/O Connectors	<ol style="list-style-type: none"> 1 x 24-pin ATX main power connector 1 x 4-pin ATX 12V power connector 4 x SATA 6Gb/s connectors 1 x APU fan header 1 x system fan header 1 x front panel header 1 x front panel audio header 1 x S/PDIF Out header 1 x USB 3.0/2.0 header 1 x USB 2.0/1.1 header 1 x Clear CMOS jumper 1 x chassis intrusion header
	<ol style="list-style-type: none"> 1 x PS/2 keyboard/mouse port 2 x HDMI ports 1 x DVI-D port

Back Panel Connectors	<ol style="list-style-type: none"> 4. 2 x antenna connectors 5. 2 x USB 3.0/2.0 ports 6. 4 x USB 2.0/1.1 ports 7. 1 x RJ-45 port 8. 1 x optical S/PDIF Out connector 9. 5 x audio jacks (Center/Subwoofer Speaker Out, Rear Speaker Out, Line In, Line Out, Mic In)
I/O Controller	<ol style="list-style-type: none"> 1. iTE® I/O Controller Chip
H/W Monitoring	<ol style="list-style-type: none"> 1. System voltage detection 2. APU/System temperature detection 3. APU/System fan speed detection 4. APU/System fan speed control <p>* Whether the fan speed control function is supported will depend on the cooler you install.</p>
BIOS	<ol style="list-style-type: none"> 1. 2 x 64 Mbit flash 2. Use of licensed AMI EFI BIOS 3. Support for DualBIOS™ 4. PnP 1.0a, DMI 2.0, SMBIOS 2.6, ACPI 2.0a
Unique Features	<ol style="list-style-type: none"> 1. Support for @BIOS 2. Support for Q-Flash 3. Support for Xpress Install 4. Support for EasyTune <p>* Available functions in EasyTune may differ by motherboard model.</p> <ol style="list-style-type: none"> 5. Support for Smart Recovery 2 6. Support for ON/OFF Charge 7. Support for Wi-Fi Share 8. Support for Cloud Station
Bundle Software	<ol style="list-style-type: none"> 1. Norton® Internet Security (OEM version)
Operating System	<ol style="list-style-type: none"> 1. Support for Windows 8/7/Vista/XP <p>* Support for Windows 8/7 only when an APU with integrated AMD Radeon™ HD 8000 series graphics is installed.</p>
Form Factor	<ol style="list-style-type: none"> 1. Mini-ITX Form Factor; 17.0cm x 17.0cm
Remark	<ol style="list-style-type: none"> 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 SP1/SP2. If drivers are available from the vendors, we will update them on the GIGABYTE website.

* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration.

* All trademarks and logos are the properties of their respective holders.

* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.

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