

# AND-G420N1

Networking Microbox, AMD® G-Series GX-420MC,  
6 x Intel® GbE LAN (2-pair bypass)



## Features

- AMD® G-Series GX-420MC, 4-core@2.0GHz, 2MB L2
- 2 x DDR3L-1600MHz, SO-DIMM, up to 16GB
- 6 x Intel® GbE LAN
- 2 x USB 3.0
- 2 x USB 2.0 (internal pin header)
- 1 x Console (RJ45)
- 8 x GPIO (4-In, 4-Out) internal pin header



## Specification

### System

|                |  |
|----------------|--|
| CPU            | AMD G-Series GX-420MC Quad-core, clock speed 2.00GHz |
| Memory         | 2 x DDR3L-1600MHz, SO-DIMM, up to 16GB               |
| BIOS           | AMI® UEFI BIOS                                       |
| WatchDog Timer | Software programmable 0~255 sec. (0=Disable Timer)   |

### Ethernet

|            |                              |
|------------|------------------------------|
| Chipset    | 6 x Intel® I210-AT GbE chip  |
| Connector  | 6 x RJ45 with LED            |
| LAN Bypass | 2-pair(LAN1&LAN2, LAN3&LAN4) |

### Storage

|               |   |
|---------------|---|
| SATA          | 1 x SATAII port                                 |
| Compact Flash | 1 x Compact Flash Type-II socket (Support UDMA) |
| HDD Bay       | 1 x 2.5" HDD Bay                                |

### I/O

|              |  |
|--------------|--|
| Console Port | 1 x Console (RJ45)                           |
| USB          | 2 x USB 3.0                                  |
| USB          | 2 x USB 2.0 (internal pin header)            |
| GPIO         | 8-bit GPIO (4-In, 4-Out) internal pin header |

### Power Requirement

|             |                      |
|-------------|----------------------|
| Power Input | 1 x DC 12V/60W input |
|-------------|----------------------|

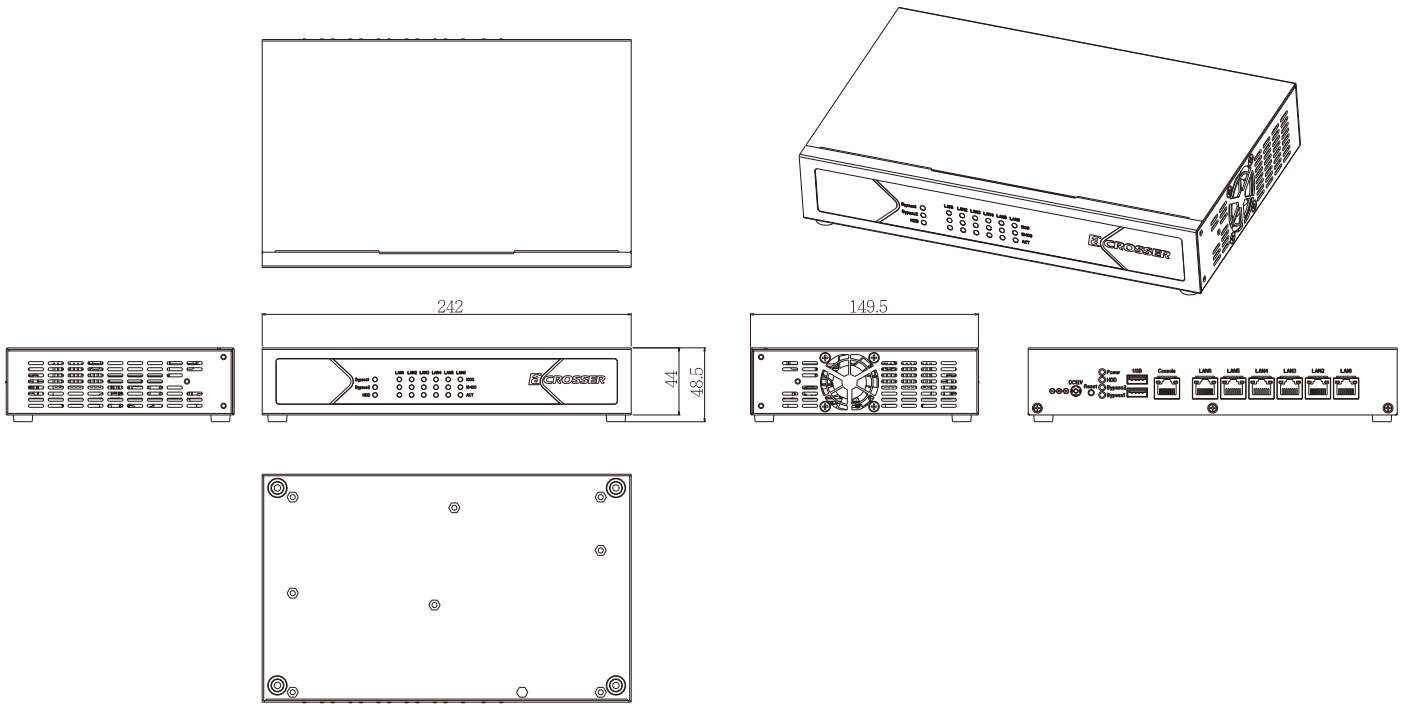
### Software

|            |   |
|------------|---|
| OS Support | Ubuntu 14.04 (32/64-bit), Linux Kernel 3.13 (32/64-bit)<br>Fedora 20 (32/64-bit), Linux Kernel 3.11 (32/64-bit) |
|------------|---|

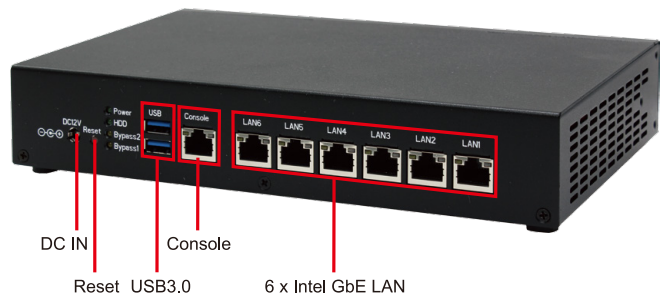
### Mechanical & Environment

|                   |                                |
|-------------------|--------------------------------|
| Dimension         | 242 x 149.5 x 44mm             |
| Operating Temp.   | 0~40°C (32~104°F)              |
| Storage Temp.     | -20~80°C (-4~176°F)            |
| Relative Humidity | 0 to 90% @40°C, non-condensing |
| EMC & Safety      | CE, FCC class A                |

## Dimension



## I/O Connectors



## Packing List

- 1 x AND-G420N1 System
- 1 x Console Cable
- 1 x Quick User Manual
- 1 x CD with Driver and Manual
- 1 x Power Adaptor
- 1 x Power Cord (Option for US/EU/UK/JPN)
- 1 x Screw Pack
- 1 x Pull-tab Opener

## Ordering Information

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