

# 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



CE FCC

## 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)  
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

## Specification

### System

|                |   |
|----------------|---|
| CPU            | AMD G-Series GX-420MC Quad-core,<br>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.<br>(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) |

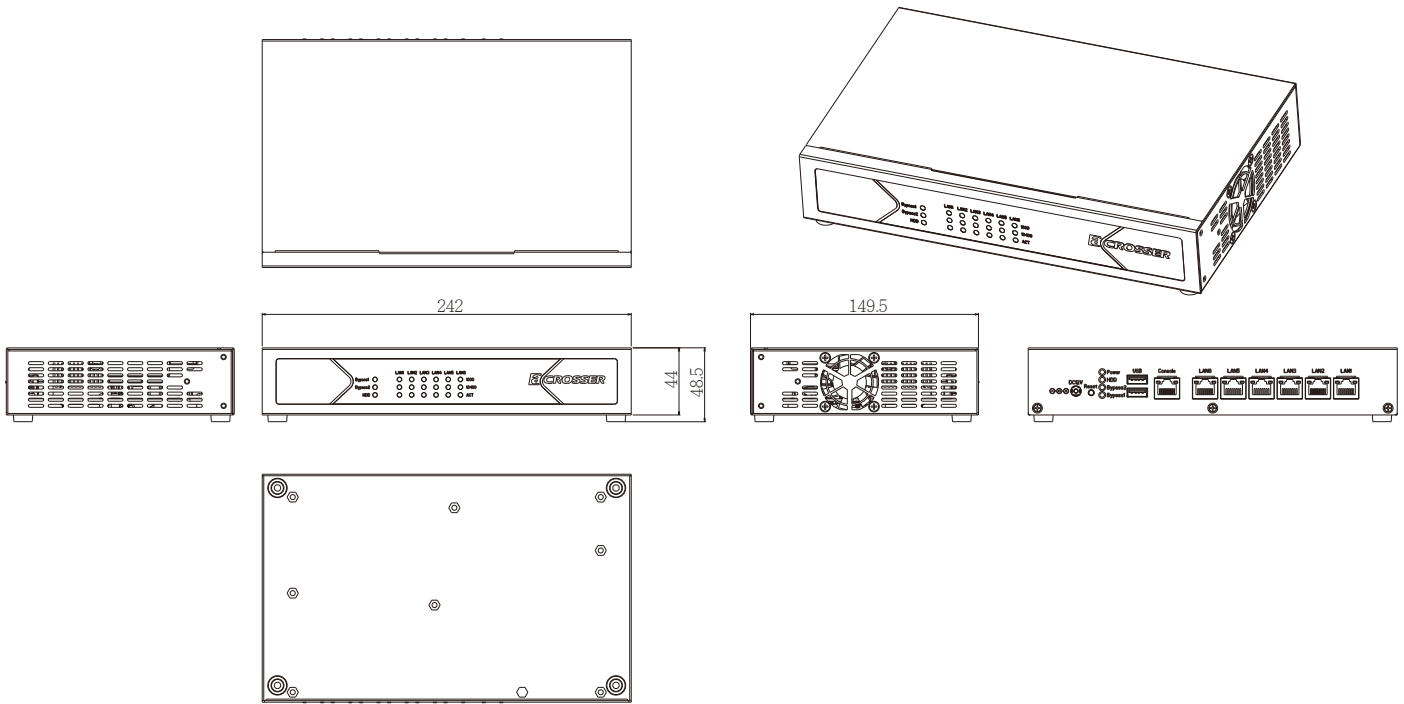
### Storage

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

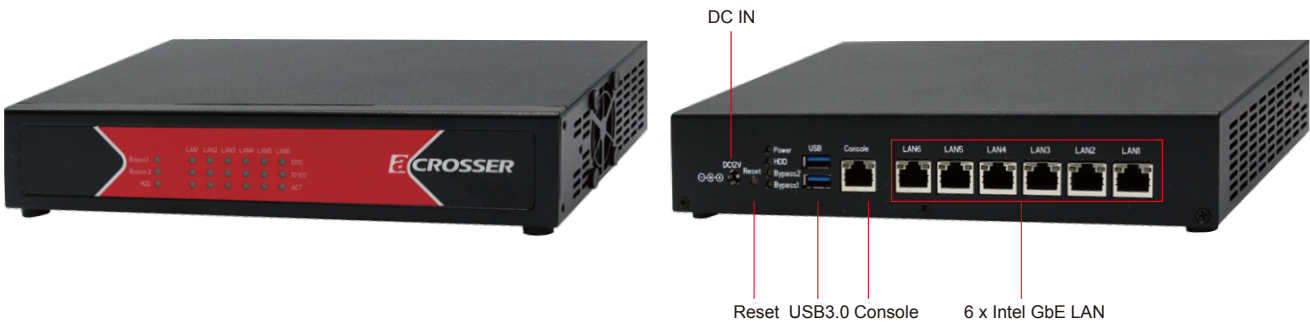
### I/O

|              |  |
|--------------|--|
| 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 |

## Dimension



## I/O Connectors



AND-G420N1

## 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

AND-G420N1 Networking Microbox, AMD® G-Series GX-420MC, 6 x Intel GbE LAN (2-pair bypass)