

# 1 MINI PC K7-N9

Intel Core i7 3520M



|                      |                                     |
|----------------------|-------------------------------------|
| <b>CPU</b>           | Intel Core i7 3520M 2.90GHz-3.60GHz |
| <b>Cores/Threads</b> | 2 Cores / 4 Threads                 |
| <b>Cache</b>         | 4 MB Intel Smart Cache              |
| <b>TDP</b>           | 35W                                 |
| <b>Chipset</b>       | Products formerly Ivy Bridge        |
| <b>RAM</b>           | 1*DDR3L,support max 8G              |
| <b>Storage</b>       | SSD (MINI SATA)                     |
|                      | Optional HDD(by onboard PIN)        |
| <b>Audio Card</b>    | ALC662                              |
| <b>Graphic Card</b>  | Intel HD Graphics 4000              |
| <b>Network Card</b>  | 10/100/1000Mbps Adaptive RTL 8111H  |
| <b>Extendable</b>    | WIFI+Bluetooth(MINI PCIE)           |
| <b>OS supported</b>  | Windows or Linux                    |

|                     |                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>External I/O</b> | 6*USB2 、 1*VGA、 1*HDMI、 1*RJ45、 1*DC、 1*MIC-IN、 1*LINE-OUT、 1*USB On/off                                                                                                      |
| <b>Internal I/O</b> | 1*F_AUDIO1、 1*JSPK1、 1*JCONN LCD BL1、 1*CPU_FAN1、 1*JCOMS1、 1*JLVDS_VDD1、 1*JLVDS、 1*F_USB1、 1*F_USB2、 1*JPWR_SATA1、 1*SATA2、 1*F_PANLE、 1*ATX12V1、 1*JVGA1、 1*JUSB1、 1*JUSB2 |

## BIOS Function

|                        |                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Display</b>         | Support Dual Display (Duplicate and Extendable Mode)<br>VGA max : 1920*1080@60Hz ; HDMI max : 1920*1200@60Hz |
| <b>Booting Method</b>  | PXE / Power On / Wake-on-lan                                                                                 |
| <b>Intel VT-x</b>      | Support VT-x and VT-d                                                                                        |
| <b>Hyper-threading</b> | Support                                                                                                      |

|                            |                                     |                                            |
|----------------------------|-------------------------------------|--------------------------------------------|
| <b>Working Environment</b> | Environment Temperature : -10~60 °C | Relative humidity : 0~95%(No condensation) |
|----------------------------|-------------------------------------|--------------------------------------------|

|                        |             |
|------------------------|-------------|
| <b>Working Voltage</b> | DC 12V - 5A |
|------------------------|-------------|

|                           |                                        |
|---------------------------|----------------------------------------|
| <b>Static Electricity</b> | Contact discharge 2K, air discharge 6K |
|---------------------------|----------------------------------------|

|                  |                                     |                                            |
|------------------|-------------------------------------|--------------------------------------------|
| <b>Conditons</b> | Environment Temperature : -10~60 °C | Relative humidity : 0~95%(No condensation) |
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12 11 10 9 8 7 6 5 4

|    |             |    |          |    |                         |
|----|-------------|----|----------|----|-------------------------|
| 01 | POWER       | 02 | USB2.0   | 03 | USB2.0                  |
| 04 | MIC         | 05 | SPK      | 06 | USB2.0*2                |
| 07 | RJ45 Giga   | 08 | USB2.0*2 | 09 | VGA                     |
| 10 | HDMI output | 11 | DC12V    | 12 | Extendable Power Button |

|    |                        |        |              |                |
|----|------------------------|--------|--------------|----------------|
| 尺寸 | L 195mm*W 196mm*H 45mm | Weight | Net : 0.90kg | Gross : 1.75kg |
|----|------------------------|--------|--------------|----------------|

## Specification

|                |                          |                 |                        |
|----------------|--------------------------|-----------------|------------------------|
| Features       | Metal Case,rugged design |                 |                        |
| Cooling Method | FAN Cooling              |                 |                        |
| Vesa Mount     | Support with bracket     |                 |                        |
| Packaging      | Color box                |                 |                        |
| Packing List   | Power supply * 1         | Power cable * 1 | Vesa Mount Bracket * 1 |
|                | Manual * 1               | Certificate* 1  | Screws * 1             |

## Performance

|                              |                                                                             |       |     |      |              |           |         |
|------------------------------|-----------------------------------------------------------------------------|-------|-----|------|--------------|-----------|---------|
| Testing Software<br>CPU Mark | Mr LU                                                                       |       |     |      | CINBENCH R20 | 3D MARK11 | PC MARK |
|                              | CPU                                                                         | 35175 | GPU | 6908 | 664          | -         | 3253    |
| Video                        | <div><div>I</div><div>II</div><div>III</div><div>IV</div><div>V</div></div> |       |     |      |              |           |         |
| Game                         | <div><div>I</div><div>II</div><div>III</div><div>IV</div><div>V</div></div> |       |     |      |              |           |         |
| Office                       | <div><div>I</div><div>II</div><div>III</div><div>IV</div><div>V</div></div> |       |     |      |              |           |         |