



# APPROVAL SHEET

**Mid-tower computer case**

**MODEL NO.: SP3401B-420W-PFC22-2**



|                                                                                                |                   |
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| <b>Article No. : SP-AP-SK-A188</b><br><b>Issue Date : Feb. 4, 2014</b><br><b>Version : A/0</b> | <b>Audited by</b> |
| <b>Checked by</b>                                                                              | <b>Drafted by</b> |

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## **Approval Sheet Revisement Record**

**Article No: SP-AP-SK-A188**

| <b>Version</b> | <b>Revised<br/>Chapter</b> | <b>Description</b> | <b>Revised<br/>Date</b> | <b>Drafted<br/>by</b> | <b>Audited<br/>by</b> | <b>ECN<br/>No.</b> |
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**1 Features:**

- \* Folded edge for safe device installation.
- \* Front access USB 2.0 and audio
- \* Micro ATX Compatible
- \* Easy installation, thumb-screw side-panel
- \* Optimized internal space design
- \* With 420W power supply unit

**2 Accessories:**

- \* User installation manual
- \* Screws bag
- \* 1.5M power cord



### **3 Specification**

**Color:**

Font Panel: Black

Side & top panel: black

**Material:**

Front panel : ABS

Structure: 0.45mm, SECC

**Font I/O connection:**

Audio & earphone x1

USB 2.0 x2

**Drive bays:**

3.5" bays: 2--- 2 internal

5.25 "bays: 1--- 1 external

**Motherboard:**

- 9.6" x 9.6" (Micro ATX) 244\*244 mm

**Bracket slots: 4**

**Cooling:**

Side:2\* 12cm fan space

Front:12cm fan space

Rear:1\*8/9cm fan space

**PSU compatible:** ATX(included ATX-420W-PFC-N-PSU )

**Installation:**

Hand screw side panel

**Dimensions&Weight:**

Product: 380(L)x175(W)x360(H) MM N.W 3.9kg

Packaging: 450\*210\*380 mm (L\*W\*H) G.W 4.5kg



## 4.PSU: ATX-420W-PFC-N-PSU:

ATX-420W-PFC-N-PSU: 220V, 420W psu,120mm FAN,20+4pin,3SATA,2IDE,1FLOPPY,12V4pin,CE,PFC  
Matel case,1.5M Safety power cord.

|                              |                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Features</b>              | Intel ATX 1.3 Specification Compliant Supports the newest Intel and AMD Micro-Processors I/O Short Circuit & Overload /OVP/OLP/ SCP Protection SATA Power Connector |
| <b>Dimensions</b>            | 140mm(L)X150mm(W)X85mm(H)                                                                                                                                           |
| <b>Version</b>               | ATX 12V Ver 1.3                                                                                                                                                     |
| <b>Connectors</b>            | 20+4pin 1PCS, 12V 4pin 1PCS,SATA 3PCS,, IDE (Molex) 4pin 2PCS, Floppy 4pin 1PCS                                                                                     |
| <b>Cables</b>                | 20+4pin 1PCS, 12V 4pin 1PCS, 1IDE (Molex) /1SATA/Floppy 1PCS,1IDE (Molex) /2SATA 1PCS                                                                               |
| <b>Case</b>                  | 0.6mm Matel case                                                                                                                                                    |
| <b>PFC Function</b>          | PPFC                                                                                                                                                                |
| <b>Rated Voltage</b>         | 200~240 Vac                                                                                                                                                         |
| <b>Frequency</b>             | 50~60 Hz                                                                                                                                                            |
| <b>Current</b>               | 4A for 230VAC                                                                                                                                                       |
| <b>Hold-up Time</b>          | 16 ms(min)                                                                                                                                                          |
| <b>Nom. Power</b>            | 420W                                                                                                                                                                |
| <b>P.G. Signal</b>           | 100~500ms                                                                                                                                                           |
| <b>Voltage Protection</b>    | +12V trip point 13.4V - 15.6V<br>+5V trip point 5.74V - 7.0V<br>+3.3V trip point 3.76V - 4.3V                                                                       |
| <b>Noise Level</b>           | 21 dBA Max                                                                                                                                                          |
| <b>Cooling</b>               | 1 x 120mm fan                                                                                                                                                       |
| <b>MTBF</b>                  | 100,000 Hours                                                                                                                                                       |
| <b>Application</b>           | Intel Pentium 4,Intel Celeron D,Intel Core 2,Intel Core 2 Due,Intel Core 2 Extreme/AMD Athlon 64X2,AMD Athlon 64 FX,AMD Athlon 64,etc.                              |
| <b>Operating Temperature</b> | 0~40℃                                                                                                                                                               |
| <b>Storage Temperature</b>   | -20~60℃                                                                                                                                                             |
| <b>Warranty</b>              | 2 Years                                                                                                                                                             |

5 Pictures:





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### RoHS Declaration of Conformity

Spire hereby declares under our sole responsibility that the product:



**Part number:** SP3401B-420W-PFC22-2

- \* Folded edge for safe device installation.
- \* Front access USB 2.0 and audio
- \* Micro ATX Compatible
- \* Easy installation, thumb-screw side-panel
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Is tested and approved in compliance with the EUROPEAN COUNCIL ROHS DERECTIVE.

(Restriction of Hazardous Substances) which will restrict the use of certain substances in electrical and electronic products: including lead (Pb), mercury, cadmium, hexavalent chromium, and certain halide-containing flame retardants. The directive applies to all electrical and electronic products, their component parts that are placed on the market after July 1, 2006.

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