

Tuf Engine" Power Design; Safe & Stable!" Guardian Angel - Asus SABERTOOTH Z170 Manual

1

2

Table Of Contents

3

4

5

6

7

8

9

10

11

12

13

14

15

16

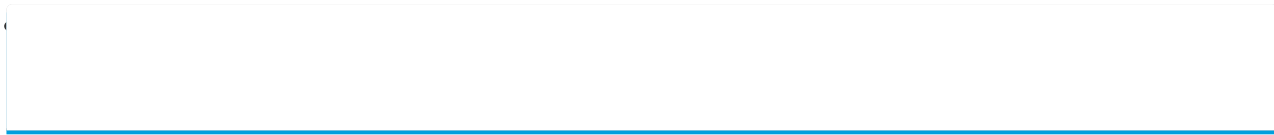
17

19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68

69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118

119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168

169
170
171
172
173
174



•

[Table of Contents](#)

•

Bookmarks



1.1.3

"TUF Engine" Power Design

Digital Power Control

ASUS DIGI+ Power Control features the revolutionary and innovative digital VRM, DRAM, and CPU Voltage controllers. These controllers offers ultra-precise memory and voltage tuning for optimal system efficiency, stability and performance.

TUF Components (Choke, 10K Ti-Cap. & MOSFET; certified by military-standard)

The motherboard's TUF components features military-standard robust TUF new chokes, titanium solid state capacitors, and MOSFETS. These TUF components support up to a massive 40A rated current, eliminates buzzing noise and vibration, and delivers better performance, and durability during the most extreme usage.

1.1.4

"Safe & Stable!" Guardian Angel

TUF Detective 2

TUF Detective 2 is a free companion app that puts detailed system information and a user-friendly interface at your fingertips - right on your smartphone or tablet. You are able to detect and diagnose errors and adjust your system operation with touchscreen ease. Moreover, you can control your fan and monitor your system wirelessly via the app. Your PC doesn't even need to be switched on for you to make use of the app!

TUF LANGuard

The TUF LANGuard socket has advanced signal-coupling technology and premium surface-mounted capacitors to improve throughput tested to military grade, TUF LANGuard is certified for tough duty to protect your motherboard from lightning strikes and static electricity.

TUF ESD Guards 2

TUF ESD (Electrostatic Discharge) Guards provides protection against electrostatic discharges, which can damage the motherboard's components. The ASUS exclusive Anti-Static chip and circuit design, and the I/O shield provide four times better protection and ensure the motherboard's lifespan.

MemOK!

MemOK!, the remarkable memory rescue tool, allows you to simply press a button to patch memory issues, ensure memory boot compatibility, determine fail-safe settings, and dramatically improve the system's bootup.

SABERTOOTH Z170 S

1-3

[Table of Contents](#)

[Previous Page](#)
[Next Page](#)

1
...
16
17
18
19
20
21
22
23

Quick Links:

[Motherboard Layout](#)

[Internal Connectors](#)

[Sata Device Connection](#)

[Front I/O Connector](#)

Related Manuals for Asus SABERTOOTH Z170

[Motherboard Asus Z170 PRO GAMING User Manual](#)

(100 pages)

[Motherboard Asus Z170 PRO GAMING Manual](#)

(96 pages)

[Motherboard Asus Z170-A User Manual](#)

(130 pages)

[Motherboard Asus Z170M-E D3 Manual](#)

(85 pages)

[Motherboard Asus Z170-P D3 User Manual](#)

(85 pages)

[Motherboard Asus Z170-K Quick Start Manual](#)

(11 pages)

[Motherboard ASUS Z170-K User Manual](#)

(85 pages)

[Motherboard Asus Z170-P Manual](#)

(86 pages)

[Motherboard Asus Z170-AR Manual](#)

(130 pages)

[Motherboard Asus Z170M-PLUS User Manual](#)

(89 pages)

[Motherboard Asus SABERTOOTH Z170 MARK 1 Manual](#)

(176 pages)

[Motherboard Asus Z170I PRO GAMING User Manual](#)

(86 pages)

[Motherboard Asus Z170I PRO GAMING Manual](#)

(86 pages)

[Motherboard Asus Z170-E Manual](#)

(128 pages)

[Motherboard Asus Z170-DELUXE Series User Manual](#)

(186 pages)

[Motherboard Asus Z170-PRO Manual](#)

(170 pages)

Related Content for Asus SABERTOOTH Z170

[Gryphon Z97 Tuf Engine" Power Design](#)

Asus Gryphon Z97

[SABERTOOTH Z87 Tuf Engine" Power Design](#)

Asus SABERTOOTH Z87

[GRYPHON Z87 Tuf Engine" Power Design](#)

Asus GRYPHON Z87

[SABERTOOTH 990FX GEN3 R2.0 Tuf Engine!" Power Design](#)

Asus SABERTOOTH 990FX GEN3 R2.0

[SABERTOOTH 990FX Tuf Engine!" Power Design](#)

Asus SABERTOOTH 990FX

[SABERTOOTH 990FX/GEN3 R2.0 Tuf Engine!" Power Design](#)

Asus SABERTOOTH 990FX/GEN3 R2.0

[SABERTOOTH P67 Tuf Engine!" Power Design](#)

Asus SABERTOOTH P67

[SABERTOOTH 55i - Motherboard - ATX Tuf Engine!" Power Design](#)

Asus SABERTOOTH 55i - Motherboard - ATX