Specification

Model: X56 Description: Wired mechanical keyboard with frontal layout

1 Description

1.1 Overview

RGB 2-block 89 keys wired mechanical keyboard

1.2 Features

This wired professional mechanical backlight gaming keyboard is suitable for personal users.

- 4 14 backlight modes selectable;
- Adjust brightness and speed freely;
- < Customized backlight zone;
- ✓ Support fully anti-ghosting;
- 2. Hardware Spec.
 - 2.1 Cosmetic Spec
 - 2.1.1 Keyboard

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Size: 352.4*124.4*36.9mm \pm 2mm
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Weight: 1330g (with extra weight inside)



- 2.2 Environmental specifications
 - 2.2.1 Operating Environmental

Working temperature	-5~ +45℃
Storage temperature	-20 ~ +60 ℃
Working humidity	10 ~ 90 % RH

Storage humidity	5 ~ 95 % RH
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2.2.2 Available Voltage range

Parameter	MIN	MAX	Unit
Input (Tx) 4.		5.5	V

2.3 Main components specification

2.3.1 Keyboard

Name of components	Specification	
Tan asso	Sandblasting oxidation black,	
Top case	edge wash around + highlight	
Bottom case	ABS	
Keycaps	Double injection/ laser	
Feet	Double injection	
Extra weight/Middle case	Metal (<u>optional</u>)	
Pad	Black rubber	
LOGO	laser/silkscreen/metal name plate	
Rating label	PET	
МСО	BYK816	
Backlight	RGB	
Cable	1.5 meter full length+ magnetic	
Cable	ring+ nickel plated USB	

2.4 Mechanical properties

2.4.1 The standard keycaps of the keyboard



Fp loading	60±5gf
Work travel (Conductive travel)	2.2±0.6mm
Tactile Travel	1.8±0.5mm
Paragraph=(Fp-Fc)/Fp*100%	(60-90)%
Maximum travel (120g)	3.8±0.2mm
Lifetime of switches	5000W, Outemu

2.5 Electrical spec

2.5.1 Basic function

Definition of RGB Electrical Function

Insert USB and power on, 14 kinds of backlight modes cycled:

Star dot - no trace of snow - continuous flow - spectral cycle - breathing mode - constant bright mode - ripple diffusion - like a shadow and a touch - sine wave - walk in the rain - drift with the wave -Rainbow wheel - flowers blooming. (the default factory mode is star dot status)

	FN+ multi short cut key		shortcut key	
A	media hotkey	Fn+ = music	FN+ = previous song	

		Fn+ = volume -		Fn+ = play/pause
		Fn+ F3 = volume +		FN+ = next song
		Fn+	2	FN+ = backlight mode change
		Fn+ = stop		FN+ Filter = Printscreen
		Fn+	Num lock/unlock	FN+ Scrill lock/unlock
				FN+ = Pause
		Short cut key	Function	Status
		FN+	Reset function	Press and hold the FN + Del key for 5 seconds, the backlight flashes three times, and the keyboard factory settings are restored, and all user settings are restored to the factory mode
В	FN+ Keyb oard lock functiona	Fn+	Record key / store key	First press and hold FN + 1 to define the backlight of CM1, and then press and hold FN + ESC to enter the recording mode. At this time, you can select the key you want to light up. After that, press and hold FN + ESC to save the backlight recording. The other four groups of operations are the same
	l keys	Fn+	Lock/Unlock Win and APP	After lock the win key, this keyboard will be no function, press again, it will be unlock
		FN+	Lighting mode switch	The default mode , star dot
		Fn+	LED Speed down	5-level of speed, only work when under dynamic backlight modes;
	**		LED Speed up	5-level of speed, only work when under dynamic backlight modes;
		Fn+Increase LEDbrightness		5-level, works under all backlight modes;

Fn+	Decrease LED brightness	5-level, works under all backlight modes;
67	Single color	Only works when under backlight modes of LED
	switch	always ON, 7-color cycled breathing, single click to
	(forward)	light up, spectrum waving, ripple and Dancing
6	Single color	Only works when under backlight modes of LED
	switch	always ON, 7-color cycled breathing, single click to
Fn+	(Backward)	light up, spectrum waving, ripple and Dancing
	side DCD switch	Horse racing(default)/LED always ON
Fn+	side RGB switch	(6-color)/Neon/LED OFF

- 2.5.2 Main Parameter of the keyboard
 - 1) Working voltage : $5V \pm 0.5V$
 - 2) Working current: \leq 300Ma
 - 3) Input method: USB
 - 4) Backlight customized function

The method is as follows: first press and hold FN + 1 to define the backlight of CM1, and then press and hold FN + ESC to enter the recording mode. At this time, you can select the key you want to light up, and then press and hold FN + ESC to save and record the backlight. The other four groups have the same operation. For example: FN + CM1 and FN + ESC, the caps and num lights will flash quickly. At this time, you can press any key and have different light colors. Then press FN + ESC to save and record

Function description of indicator light

CAPS LOCK ; White light when functional WIN LOCK ; White light when functional

> + Num lock Small number keypad: FN+

Num LED lights up, and the number in the

digital key area can be input directly

Software 3.1 Driver ☑ YES

3. system requirement

XP/Vista/Vista 64/Win7/Win7 64/WIN8/WIN10