Specification

1 Description

1.1 Overview

RGB 2-block 89 keys wired mechanical keyboard

1.2 Features

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

◄ 18 backlight modes selectable;

◄ Adjust brightness and speed freely;

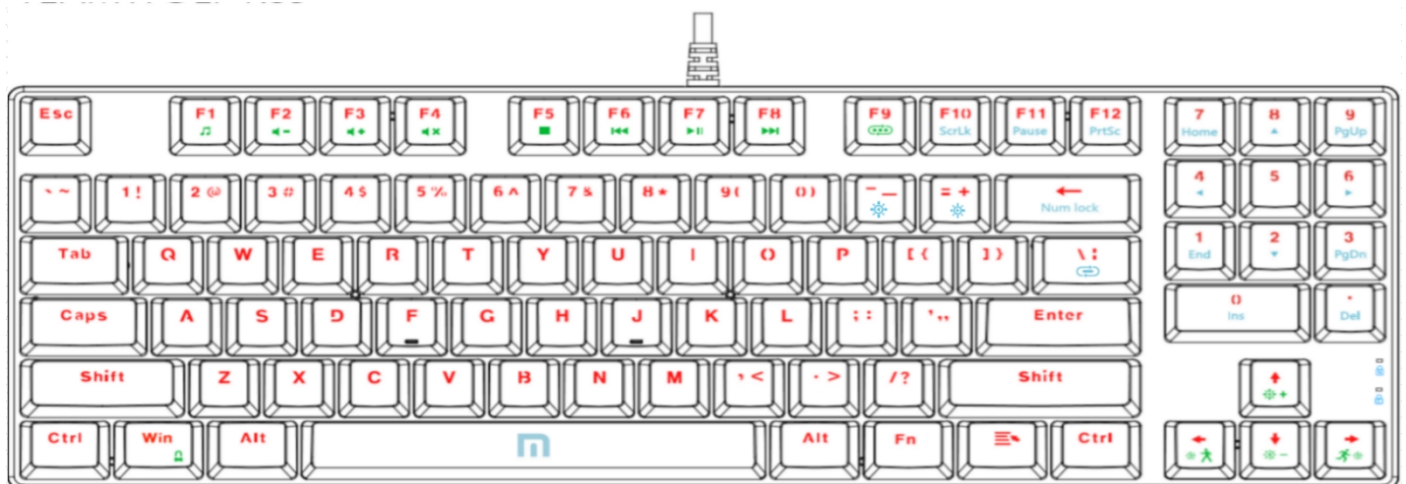◄ Customized backlight zone;

◄ Support fully anti-ghosting;

2. Hardware Spec.

2.1 Cosmetic Spec

2.1.1 Keyboard

Size：358.5*130.5*40.5 ±2㎜；

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

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
Top case	ABS
Bottom case	ABS
Keycaps	Double injection/ laser
Feet	Double injection
Extra weight/Middle case	Metal (optional)
Pad	Black rubber
LOGO	laser/silkscreen/metal name plate
lampshade	N/A
Rating label	PET
MCU	BYK816
Backlight	RGB
Cable	1.5 meter full length+ magnetic ring+ nickel plated USB

2.4 Mechanical properties

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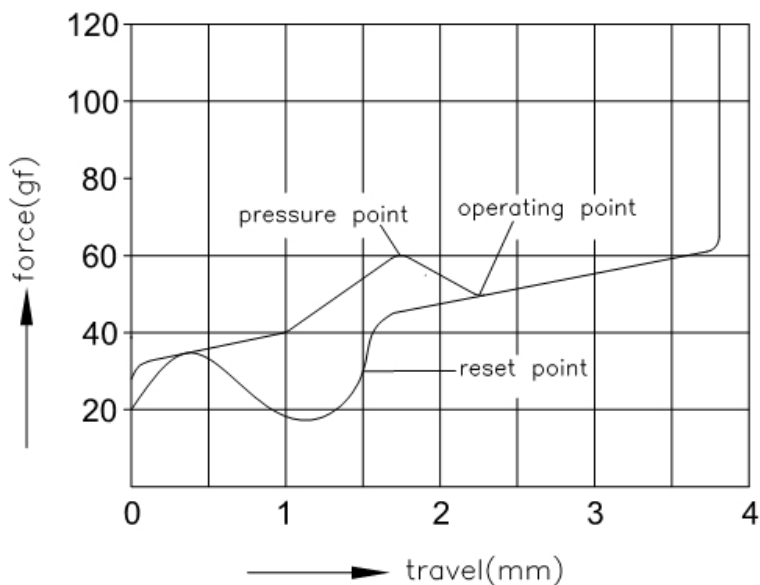
Fp loading	60±5gf
Work travel（Conductive travel）	2.2±0.6mm
Tactile Travel	1.8±0.5mm
Paragraph=(Fp-Fc)/Fp*100%	(60-90)%
Maximum travel (120g)	3.8±0.2mm
Lifetime of switches	5000W, Outemu
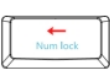
2.5 Electrical spec

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

Fn+ [F2 ◀-] = volume -	Fn+ [F7 ►॥] = play/pause
Fn+ [F3 ◀+] = volume +	FN+ [F8 ►►॥] = next song
Fn+ [F4 ◀×] = mute	FN+ [F9 ⬚] = backlight mode change
Fn+ [← Num lock] = Num lock/unlock	FN+ [F12 PrtSc] = Printscreen
Fn+ [F10 ScrLk] = Scroll lock/unlock	
	FN+ [F11 Pause] = 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
Fn+ [ESC REC]	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
Fn+ [⊞ 🔒]	Lock/Unlock Win and APP	After lock the win key, this keyboard will be no function, press again, it will be unlock
FN+ [F9 ⬚]	Lighting mode switch	The default mode , star dot
Fn+ [← ✳🏃]	LED Speed down	5-level of speed, only work when under dynamic backlight modes;
FN+ [→ 🏃✳]	LED Speed up	5-level of speed, only work when under dynamic backlight modes;
Fn+ [↑ ✳+]	Increase LED brightness	5-level, works under all backlight modes;

B **FN+**Keyboard lock functional keys

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

2.5.2 Main Parameter of the keyboard

1) Working voltage : 5V±0.5V

2) Working current: ≦300Ma

3) Input method: USB

4) Function description of indicator light

CAPS LOCK ; White light when functional

WIN LOCK ; White light when functional

Small number keypad：FN+ ， Num LED lights up, and the number in the digital key area can be input directly

3. Software
3.1 Driver

☑ YES ☐ NO

4. system requirement
XP/Vista/Vista 64/Win7/Win7 64/WIN8/WIN10