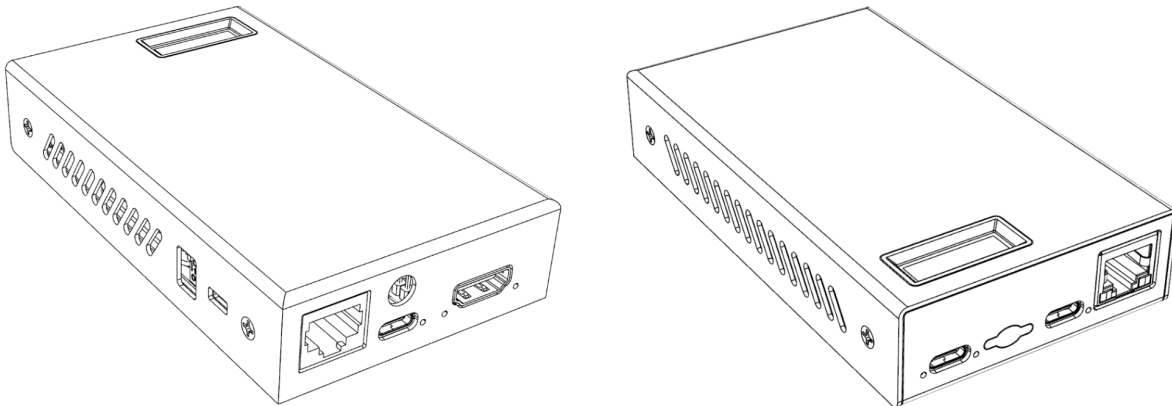
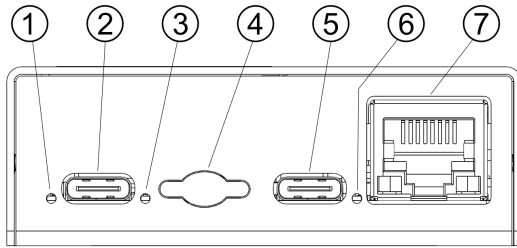


PiKVM V4 Mini Version Datasheet

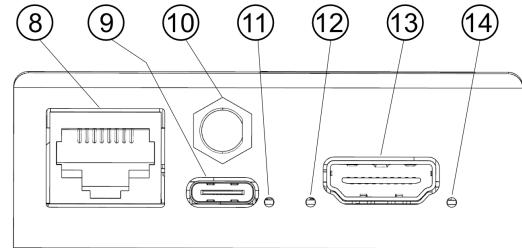
PiKVM is a feature-rich, production grade, open-source, Raspberry Pi based KVM over IP device. It enables **managing servers or workstations remotely**, whatever the state of the operating system or whether one is installed. **PiKVM allows you to turn on/off or restart your computer, configure the UEFI/BIOS, and even reinstall the OS using the Virtual CD-ROM or Flash Drive.** You can use your remote keyboard and mouse or PiKVM can simulate a keyboard, mouse, and a monitor, which are then presented in a web browser as if you were working on a remote system directly. **It's a true hardware-level access with no dependency on any remote ports, protocols or services!**



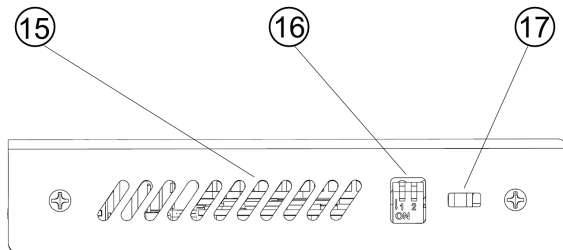
Connectivity diagram



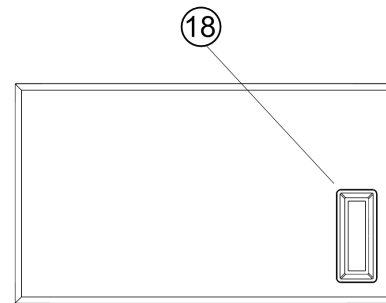
Front view



Rear view



Right view



Top view

1	Power LED (Green)	10	Mount hole for WiFi SMA antenna connector
2	Power Input 5.1V 3A	11	Beacon LED
3	Activity LED (Red)	12	HDMI Power present LED Green
4	Micro SD card slot	13	HDMI video input connector
5	USB 2.0 Serial console port	14	Video capture power ok LED amber
6	Serial console active LED Green (“Beacon LED”)	15	Ventilation holes
7	RJ45 1Gb Ethernet connector	16	Service switches
8	RJ45 ATX Control connector	17	Kensington Security Slot
9	USB 2.0 OTG connector	18	Display

Specifications

Parameter name	Characteristics
Power	
Connection type:	USB-C
Power type:	DC 5.1V, 3A
Power failure option	Internal supercapacitor for the real time clock support
Connectivity/Interfaces	
HDMI female	HDMI source input
USB-C female	For the keyboard, mouse, mass storage, and other external device emulation)
USB-C female	Serial console management port
Micro SD card slot	For the OS storage
ATX RJ-45	Special port for power control or AUX
WiFi	Optional WiFi b/g/n support with internal/external antenna
Displays/indicators	
LED indicators	power, activity, console power, search led, HDMI source engaged
OLED display	OLED 128x32 0.91" white
Video	
Supported resolutions:	up to 1920x1200@60Hz
Video compression methods	MJPEG, H.264
Audio	
Audio capture mode	HDMI audio capture support

Power consumption	
Peak power consumption	Up to 12W (2.6A/5V)
Environmental	
Operating temperature	0°C to 50°C
Storage temperature	-20°C to 60°C
Size and weight	
Size	120 x 68 x 24mm
Weight	0.35 kg