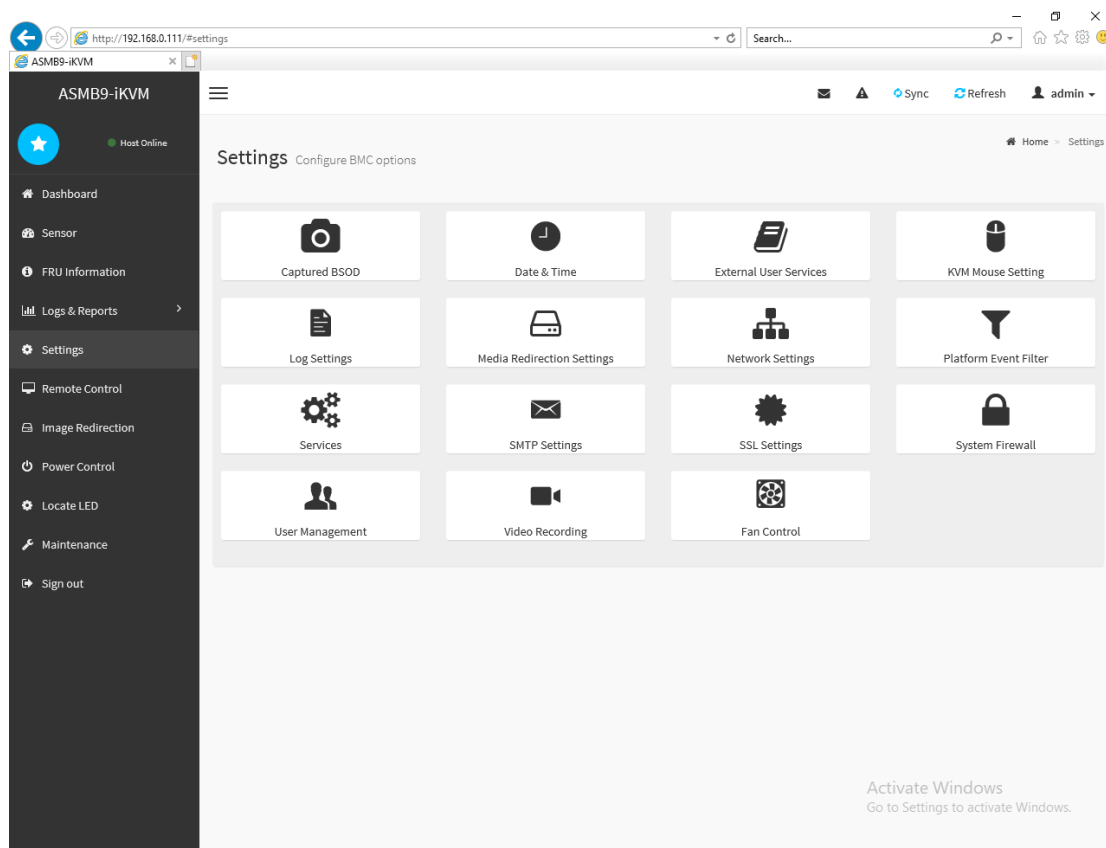


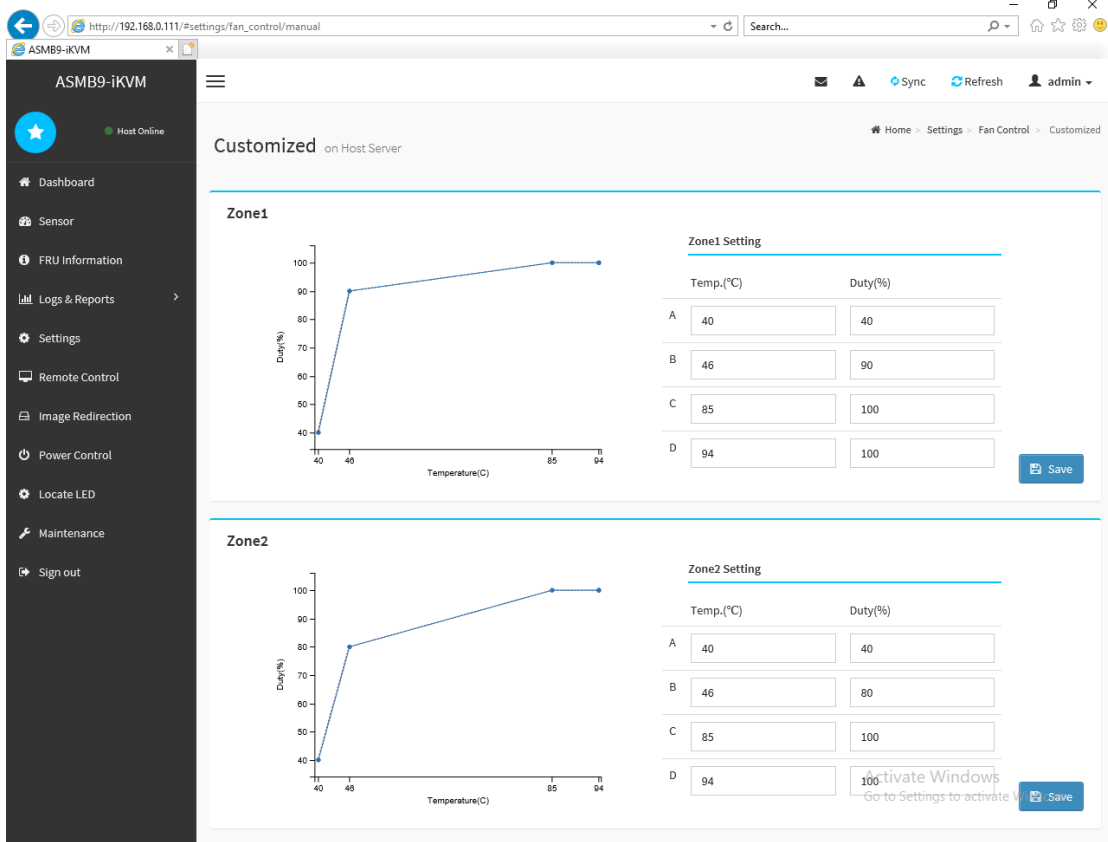
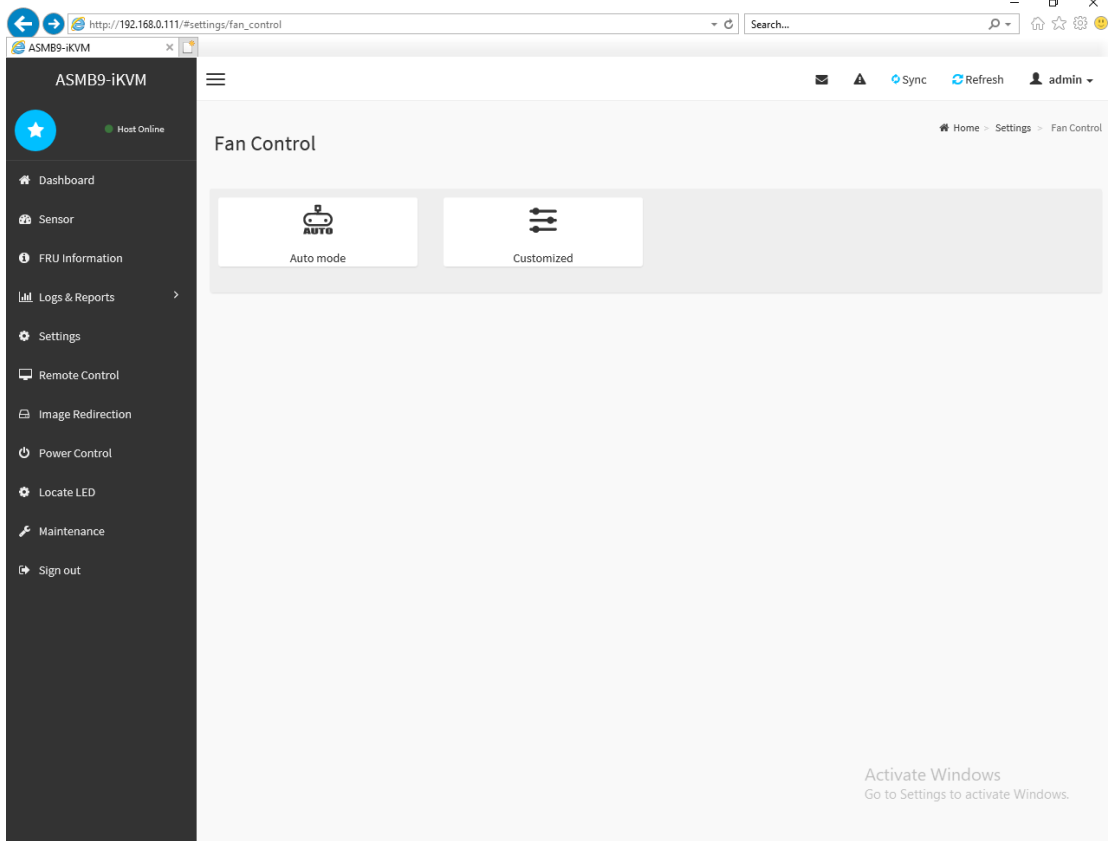
ASMB9-iKVM Fan Customized Mode User Guide

ASUS server ASMB9-iKVM smart fan auto control provides a balanced cooling solution considering power efficiency, acoustic noise and system performance to satisfy all users. But ASMB9-iKVM also provide the fan customized mode for users to query and set the fan speed adjustment policy regarding your own applications and special requirement. If users want servers to be cooler, you can change to a higher fan duty with a lower CPU temperature. In contrast, if users want servers to have less acoustic noise or more power efficiency, you can change to a lower fan duty with a higher CPU temperature.

User can set fan customized mode from ASMB9-iKVM web-based user interface:

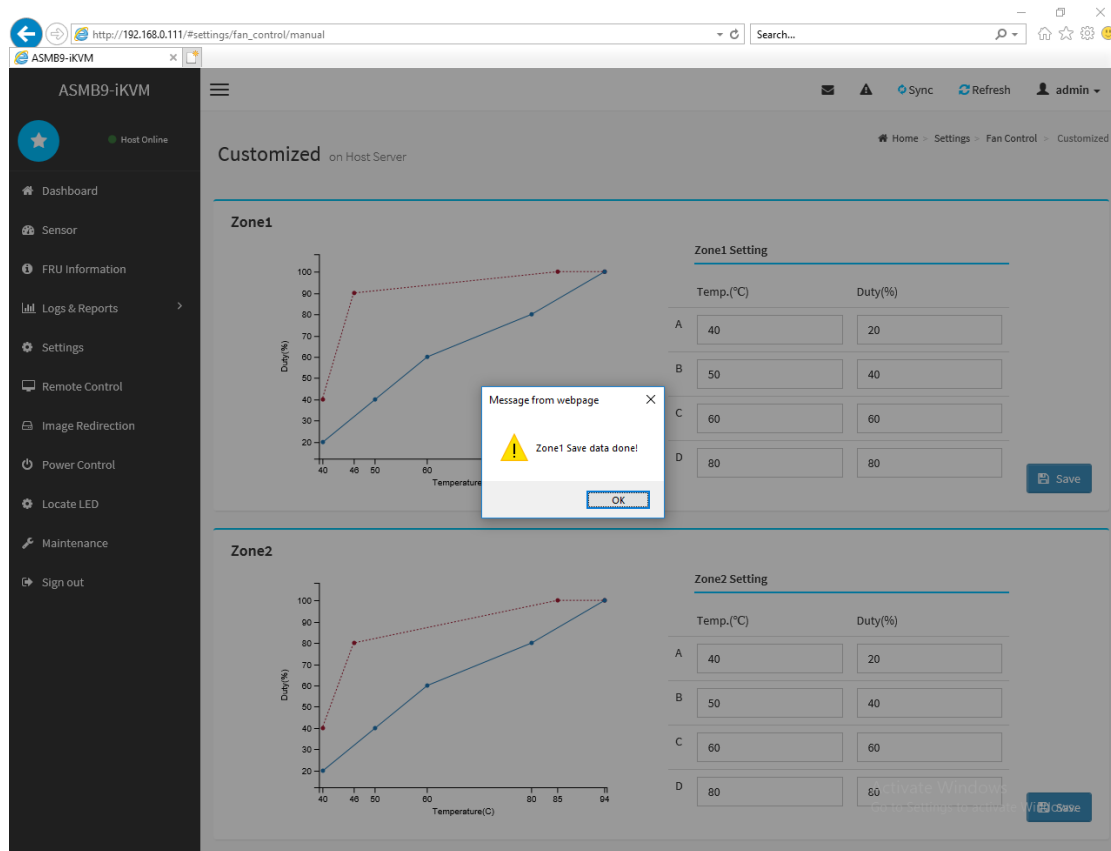
Home > Settings > Fan Control > Customized





In customized mode page, users can set 4 fan duties corresponding to 4 CPU temperatures for each fan zone. Be aware that to have an available fan policy, the

temp. & duty values for point B must be higher than point A. Equally, point C must be higher than point B and point D must be higher than point C. After modification is finished, click Save button.



Note:

1. To protect your server, ASMB9-iKVM sets fan duty to 100% corresponding to CPU thermal throttle temperature, and this value cannot be changed.
2. For more detailed ASMB9-iKVM web-based user interface information, please refer to ASMB9-iKVM user manual: https://www.asus.com/Commercial-Servers-Workstations/ASMB9-iKVM/HelpDesk_Manual/
3. If you have any questions about fan customized mode, please contact ASUS technical support.

Use Case for power efficiency:

Users can set the below values if you need a better power efficiency policy when running general CPU computing applications.

- A: Temp.(C)=40, Duty(%)=1
- B: Temp.(C)=63, Duty(%)=10
- C: Temp.(C)=72, Duty(%)=40
- D: Temp.(C)=84, Duty(%)=65

Note:

This customized fan policy is verified with the below system configurations:

1. RS500A-E10-PS4 with 1*AMD EPYC 7742 CPU, 8*16GB 2Rx8 RDIMMs, 1* 2.5" SATA SSD, and at 25°C inlet temperature. 2. RS720-E9-RS8 with 2* Intel Platinum 8280L CPUs, 12*16GB 2Rx8 RDIMMs, 1* 2.5" SATA SSD, and at 25°C inlet temperature.

Different system configurations and different applications may have different suitable customized fan policies.