

8x1 HDMI Switch (KVM) communication protocol

1. RS232 Serial port:

Baud rate: 9600 bps
Stop bit: 1 bit
Data length: 8 bits

Commands (Hex format):

1) Switch input source:

Switch to PC1: 0xAA 0xBB 0x03 0x01 0x01 0xEE
Switch to PC2: 0xAA 0xBB 0x03 0x01 0x02 0xEE
Switch to PC3: 0xAA 0xBB 0x03 0x01 0x03 0xEE
Switch to PC4: 0xAA 0xBB 0x03 0x01 0x04 0xEE
Switch to PC5: 0xAA 0xBB 0x03 0x01 0x05 0xEE
Switch to PC6: 0xAA 0xBB 0x03 0x01 0x06 0xEE
Switch to PC7: 0xAA 0xBB 0x03 0x01 0x07 0xEE
Switch to PC8: 0xAA 0xBB 0x03 0x01 0x08 0xEE

2) LED timeout setting:

10S time out: 0xAA 0xBB 0x03 0x03 0x0A 0xEE
30S time out: 0xAA 0xBB 0x03 0x03 0x1E 0xEE
Never time out: 0xAA 0xBB 0x03 0x03 0x00 0xEE

3) Mute buzzer: 0xAA 0xBB 0x03 0x02 0x00 0xEE

4) Unmute buzzer: 0xAA 0xBB 0x03 0x02 0x01 0xEE

5) Turn on auto input detection: 0xAA 0xBB 0x03 0x81 0x01 0xEE

6) Turn off auto input detection: 0xAA 0xBB 0x03 0x81 0x00 0xEE

7) Read current active input port:

0xAA 0xBB 0x03 0x10 0x00 0xEE

8) Feedback current active input port (From switch to PC)

0xAA 0xBB 0x03 0x11 0xFF 0xEE

Note: 0xFF indicates current active input port of the switch, 0x00->PC1, 0x01->PC2, 0x02->PC3...0x07->PC8

2. LAN port:

Default IP address: 192.168.1.10

Port: 5000

Gate way: 192.168.1.1

Mask address: 255.255.255.0

Commands (Hex format):

1) Switch input source:

Switch to PC1: 0xAA 0xBB 0x03 0x01 0x01 0xEE

Switch to PC2: 0xAA 0xBB 0x03 0x01 0x02 0xEE

Switch to PC3: 0xAA 0xBB 0x03 0x01 0x03 0xEE

Switch to PC4: 0xAA 0xBB 0x03 0x01 0x04 0xEE

Switch to PC5: 0xAA 0xBB 0x03 0x01 0x05 0xEE

Switch to PC6: 0xAA 0xBB 0x03 0x01 0x06 0xEE

Switch to PC7: 0xAA 0xBB 0x03 0x01 0x07 0xEE

Switch to PC8: 0xAA 0xBB 0x03 0x01 0x08 0xEE

2) LED timeout setting:

10S time out: 0xAA 0xBB 0x03 0x03 0x0A 0xEE

30S time out: 0xAA 0xBB 0x03 0x03 0x1E 0xEE

Never time out: 0xAA 0xBB 0x03 0x03 0x00 0xEE

3) Mute buzzer: 0xAA 0xBB 0x03 0x02 0x00 0xEE

4) Unmute buzzer: 0xAA 0xBB 0x03 0x02 0x01 0xEE

5) Turn on auto input detection: 0xAA 0xBB 0x03 0x81 0x01 0xEE

6) Turn off auto input detection: 0xAA 0xBB 0x03 0x81 0x00 0xEE

7) Read current active input port:

0xAA 0xBB 0x03 0x10 0x00 0xEE

8) Feedback current active input port (From switch to PC)

0xAA 0xBB 0x03 0x11 0xXX 0xEE

Note: 0xXX indicates current active input port of the switch, 0x00->PC1, 0x01->PC2, 0x02->PC3...0x07->PC8