

Full-Screen PbP
16:9 / 21:9 / 32:9

MBAG-G3214



4 Ports True 4K HDMI KVM Switch for PbP Monitor with Mouse Roaming, 4x2 KVM Matrix, Full-Frame PbP

Specifications

Model Number		MBAG-G3214
MAX. Output Resolution (Outputs A & B)		3840x2160@60Hz (4:4:4) 4096x2160@60Hz (4:4:4)
Video Mode		PbP Modes* (Top-Bottom / Left-Right) MbM Modes (Top-Bottom / Left-Right)
Console Interfaces	USB-A Ports	USB HID x 3 (Rear) USB 3.2 Gen 1 x 1 (Rear) USB HID x 1 (Front) USB 3.2 Gen 1 x 1 (Front)
	Video Out	HDMI 2.0 x 1 (A) HDMI 2.0 x 1 (B)
	3.5mm Audio I/O	Speaker Out x 1 Audio In x 1 (Embed to Video Out A)
Computer Interfaces (4 Port)	USB-B Ports	USB 3.2 Gen 1 x 4
	Video In	HDMI 2.0 x 4
	3.5mm Audio I/O	Speaker In x 4
Control Methods		Push Button / Hotkey / Mouse Roaming** / Serial (USB) Port Select x 4 Functions x 4
Push Button Control		RJ11 x 1 (Baud Rate = 19200bps) 8-Bands Baud Rate Selections Mini USB x 1 (Any Baud Rate)
EDID Management (MbM Mode Only)		Auto Copy (Default) / Copy
HDCP Management		HDCP 2.2 / 1.4 / None / Auto
Hot Plug-n-Play		Yes
Power Supply		DC 12V
Operation Environment		0~40°C, Humidity<80%
Storage Temperature		-20~60°C
H x W x D (mm) , Weight (g)		40 x 220 x 130 (mm) , 1250 (g)
Material		Metal

*Monitor Must Provides Proper Built-in PBP Functions

** Requires Absolute Coordinate Supported Operating System (e.g. Windows 10)

Full-Screen Technology

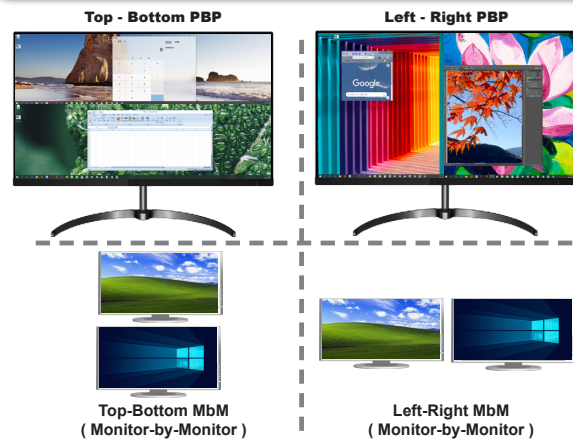
The Traditional (a) Keep-Aspect-Ratio Method Leaves Unused Area, and the (b) Stretch Method Introduce Image Distortion. The Full-Screen Technology Uses Every Pixel without Distortion by Feeding The Exact Resolution of the PbP Area, and Maximizes the Operating Area.

Video Mode Table

Aspect Ratio	Monitor Resolution	Left-Right PbP	Top-Bottom PbP	Monitor-by-Monitor	
				Left-Right	Top-Bottom
32:9	7680x2160	Yes	No	No	No
	5120x1440			No	No
	3840x1080			No	No
21:9	5120x2160	Yes	No	No	No
	3840x1600			Yes	Yes
	3440x1440			Yes	Yes
16:9	3840x2160	Yes	Yes	Yes	Yes
	2560x1440			Yes	Yes
	1920x1080			Yes	Yes
16:18	2560x2880	No	Yes	No	No

Features

- Allows User to Select and Control Either 2 Out of 4 Computers, and Display on a PbP Monitor (PbP Mode) or Two Monitors (MbM Mode)
- Unique Full-Screen Technology Ensures Maximized Operating Area by Feeding Special Resolution Based on the Selected PbP Scenario (e.g. Dual 1920x2160 for a 4K L-R PbP Monitor)
- Video Modes (See Pictures below) :
 - Top-Bottom PbP Mode Features Two 32:9 Visions for 16:9 PbP Monitors
 - Left-Right PbP Mode Features Two Visions for 16:9 / 21:9 / 32:9 PbP Monitors
 - MbM Modes (Monitor-by-Monitor) Operates Using 2 Individual 16:9 / 21:9 Monitors
- Mouse Roaming Technology Allows Users to Operate Intuitively by Simply Moving Mouse Cursor across Screen Borders to Switch Port
- HDMI 2.0 Video Supports Most Popular Resolutions Up to 4K@60Hz (4:4:4)
- EDID Management, Including EDID Copy / Auto EDID, Ensures Display Compatibility
- HDCP Management Ensures Proper HDCP Version, and Improves KVM Extender Compatibility
- 5 Flexible Switching Control Methods :
 - Push Buttons, Hotkey Control, Mouse Roaming
 - Serial Control, USB Control (Virtual COM)
- USB 3.2 Gen 1 Provides Excellent 5Gbps Speed



Connection Pattern

