RACKMOUNT

DUAL RAIL / SINGLE RAIL
LCD CONSOLEs

KVM

SWITCHes
MANUFACTURED IN TAIWAN

Broadrack provides optimize your space utilization by controlling your system in just 1U rack space

Gemini 15 / 17 / 19 / 19W
Dual rail 15 / 17 / 19" LCD console with modular KVM switch

Gemini series Patented Dual Rail consoles offer industrial level input solution to optimize your space utilization by controlling your systems in just 1U. With the unique modular design, you can easily integrate more than 18 models of KVM switches with different functions and expand the connections up to 8 levels of the KVM switches.

Dual Rail	15/17/19" TFT LCD	18 Various Keyboard	Modular Design KVM Switch	8/16/32 Ports KVM Switch	SUN Microsystems
PS/2 USB Interface	ROHS Compliant				

Dual Rail Technology
- Independent sliding rails for LCD panel and keyboard drawer
- Monitoring under enclosed environment for safety and security

Modular KVM Design
- Scalable solution
- UP to 32 ports
- Integrate 18 models of KVM switches in 1U form factor to optimize space limitation

Remote Access
- Up to 32 port CAT5 KVM switches
- IP KVM switches
- Combo free KVM switches
- Expand to dual Console using IP module or CAT5 module
- KVM switches upgradable to dual access console

Multi-platform Support
- The LCD console support multi-platforms: PC, MAC and SUN micro system. It can cross platform to control different interface
- No software required
- Select PCs using OSD and Hotkeys

Features
- Patented dual rail design for independent panel and keyboard drawer
- Hidden handle for keyboard drawer
- 15 / 17 / 19" LCD panel for option
- Support Sun native resolution (Gemini 17 / 19)
- Support 17 various keyboard languages (increasing)
- Bright Active TFT display
- OSD function for LCD display and KVM switch
- Durable keyboard with touchpad
- Panel protected by tempered glass
- Integration with more than 18 models of KVM switches
- Touch panel (optional)
- Sun keys (optional)
- With our fully modular IP & CAT5 modules, our customers can create 15 models of KVM Switch from 5 basic models
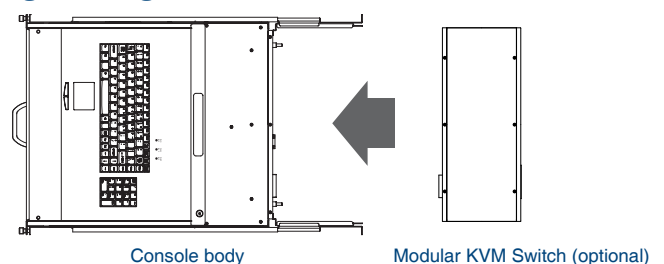
Benefits
1. Feature rich solution: With our unique design and all the options, you can easily suffice the demand for your customer.
2. Time to serve your customer: With the modular KVM, you can easily turn single port console into 8 / 16 / 32 ports console to serve your customer well.
3. Keep low inventory: From the 3 models of consoles and 18 models of KVM switches, you can create total 57 models in Gemini Series. It is the best solution for inventory control.
4. Easy to maintain: Once the defective comes from the KVM switch, you can just swap the KVM switch module without asking your customer to send the whole console back to you.
5. Save freight cost: Since you have to keep only 3 models of consoles and generate new models by yourself, you can ship all the goods by sea instead of by air. In case, you run out of the KVM switch stock, it is much cheaper to ship the KVM switch modules by air.

Advantage
1. Patented Dual Rail design: The user can leave the LCD flip over, push back the keyboard drawer, and close the cabinet door.
2. Hidden handle: After pushing the keyboard drawer back, the handle of the keyboard drawer can also be hidden and offer a flat surface for the cabinet.
3. Patented extension bracket: With the patented extension bracket, the console body can extend 13cm. Even there is big server handle or patch panel above the console, our Gemini console can have over 90 degrees viewing angle. (compared with 4~5 cm from our competitors and less than 90 degrees in the same condition)
4. Modular KVM switches: The user can use Gemini series console as single port console or through some simple action and few screws to be 8 / 16 even 32 ports KVM consoles.
5. Various keyboard language support: to fit the demand of each individual countries.
6. Most LCD size available in the market: We offer 15 / 17 / 19" LCD for Gemini series console
7. LG A-grade panel along: We never shop around the panel on the market. We buy only the LG A-grade panel.

Usage Diagram

Console body   Modular KVM Switch (optional)

Gemini 15 / 17 / 19 / 19W Specification

Model Name	Gemini 15	Gemini 17	Gemini 19	Gemini 19W
Dimension	459.6 x 481.9 x 44.0 mm (18.1 x 19.0 x 1.7 inches)	459.6 x 481.9 x 44.0 mm (18.1 x 19.0 x 1.7 inches)	539.6 x 481.9 x 44.0 mm (21.2 x 19.0 x 1.7 inches)	539.6 x 481.9 x 44.0 mm (21.2 x 19.0 x 1.7 inches)
Package Dimension	606 x 551.5 x 230 mm (23.9 x 21.7 x 9.0 inches)	606 x 551.5 x 230 mm (23.9 x 21.7 x 9.0 inches)	606 x 551.5 x 230 mm (23.9 x 21.7 x 9.0 inches)	606 x 551.5 x 230 mm (23.9 x 21.7 x 9.0 inches)
Net Weight	12.0 Kg / 26.5 lbs	13.0 Kg / 28.7 lbs	14.0 Kg / 30.9 lbs	14.0 Kg / 30.9 lbs
Gross Weight	19.5 Kg / 43.0 lbs	20.5 Kg / 45.2 lbs	21.5 Kg / 47.4 lbs	21.5 Kg / 47.4 lbs
Display Size	15 inches	17 inches	19 inches	19 inches
Panel Type	Active Matrix TFT LCD	Active Matrix TFT LCD	Active Matrix TFT LCD	Active Matrix TFT LCD
Resolution Capabilities	Max. up to 1024 x 768 (XGA)	Max. up to 1280 x 1024 (SXGA)	Max. up to 1280 x 1024 (SXGA)	Max. up to 1440 x 900 (WXGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm	Supports 0.264 mm x 0.264 mm	Supports 0.294 mm x 0.294 mm	Supports 0.283 mm x 0.283 mm
Viewing Angle (CR>10)	Right-Left View 130° (Typ) Up-Down View 100° (Typ)	Right-Left View 170° (Typ) Up-Down View 160° (Typ)	Right-Left View 170° (Typ) Up-Down View 160° (Typ)	Right-Left View 90° (Typ) Up-Down View 65° (Typ)
Contrast Ratio	400 : 1	1000 : 1	1000 : 1	700 : 1
Brightness	White 250 cd/m^2	White 250 cd/m^2	White 250 cd/m^2	White 200 cd/m^2
Back Light	Dual Lamps for Back Light	Dual Lamps for Back Light	Dual Lamps for Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)	16.7M Colors (6-bit with FRC)	16.7M Colors (6-bit with FRC)	16.7M Colors (6-bit with FRC)
Response Time	Rising Time 5 ms Decay Time 11 ms	Rising Time 3.8 ms Decay Time 1.2 ms	Rising Time 3.6 ms Decay Time 1.4 ms	Rising Time 1.2 ms Decay Time 3.8 ms
Power Consumption	16W, 10.41W for Panel	9.91 W	11.03 W	15.5 W
Signal Connections	1			
Connectors	1 x VGA HDDB-15 pin, 2 x PS/2 Mini Din 6 pin, 1 x USB, 1 x PS/2-USB switch, 1 x DC Jack, 1 x RR4 36 pin socket for modular KVM switch			
Power Source	100 ~ 240 VAC input			
Sync	45 ~ 80 KHz			
Keyboard Mouse	106 key PS/2 keyboard with touch pad			
Multi Platform	Support PS/2 and USB			
System Cables	VGA + PS/2 x 2 cable or VGA + USB x 1 cable			
Operating System	Dos, Unix, Linux, OSX, Windows (XP, 7, 8, Server 2012 R2)			
Temperature	Operate 0 ~ 50 °C / 32 ~ 122 °F, Storage -20 ~ 60 °C / -4 ~ 140 °F			
Humidity	10% ~ 90% RH			
Chassis Construction	Heavy duty steel materials			
Keyboard Language	US, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japanese, Mandarin, Russian, Hebrew, Arabic			
Certification	CE / FCC, UL / CUL / C-Tick			

Modular KVM Switch Specification

Model Name	Venus 8D / 16D	Venus 8D IP / 16D IP	Venus 8D C5 / 16D C5	Jupiter 8D / 16D
KVM Switch Type	Combo-free KVM Switch	Combo-free KVM Switch with IP module as second console	Combo-free KVM Switch with CAT5 module as second console	USB Hub KVM Switch
PC Port Connector (All Female Types)	HDDB-15 pin	HDDB-15 pin	HDDB-15 pin	VGA HDDB-15 pin
PC Ports	8 / 16	8 / 16	8 / 16	8 / 16
Max. Distance (KVM switch -- Host)	10 m (32 feet)	10 m (32 feet)	10 m (32 feet)	1.8 m (5.9 feet)
Video Resolution (Local Console)	1920 x 1440	1920 x 1440	1920 x 1440	1920 x 1440
Video Resolution (Remote Console)		1280 x 1024	1600 x 1200 for 500 feet 1024 x 768 for 1000 feet	
Remote Console		RJ-45 8P8C for 10/100M Ethernet remote IP console. Connector: 1 x RJ-45 Connector, 1 x Serial Port, 1 x Mini 5-Pin USB for mass storage	1 x RJ-45 Connector, CAT5 console up to 1000 feet away from KVM switch with superior auto-adjust RGB gain/delay control capability	
Daisy Chain Port	Support Daisy Chain function with 8-layer Bus topologies. Connector: 1 x HDDB-15 pin (Female Type)			
Keyboard / Mouse	PS/2 or USB			
Max. PC Connection	120 / 128			
PC Selection	On Screen Display (OSD) Menu, Hot Key			
Security	Provide ACL (Access Control List) security function, store up to 8 independent controllable PC lists			
Multilingual OSD (On Screen Display) Control	8 languages (English, France, Germen, Spanish, Italian, Russian, Japanese, Chinese)			
Auto-Scan Intervals	5 ~ 99 Sec.			
Operation Temperature	0 ~ 50 °C			
Storage Temperature	-20 ~ 60 °C			
Humidity	0 ~ 80 %, Non-Condensing			0 ~ 95 %, Non-Condensing
Net Weight	2.0 Kg / 4.4 lbs			
Dimension	420 x 170 x 44 mm / 16.5 x 6.7 x 1.7 inches			

Modular KVM Switch Specification

Model Name	Mars 8D / 16D / 32D	Mars 8D IP / 16D IP / 32D IP	Mars 8D C5 / 16D C5 / 32D C5
KVM Switch Type	CAT5 KVM Switch	CAT5 KVM Switch with IP module as second console	CAT5 KVM Switch with CAT5 module as second console
PC Port Connector (All Female Types)	RJ-45	RJ-45	RJ-45
PC Ports	8 / 16 / 32	8 / 16 / 32	8 / 16 / 32
Max. Distance (KVM switch -- Host)	40 m (133 feet)	40 m (133 feet)	40 m (133 feet)
Video Resolution (Local Console)	1920 x 1440	1920 x 1440	1920 x 1440
Video Resolution (Remote Console)		1280 x 1024	1600 x 1200 for 500 feet / 1024 x 768 for 1000 feet
Remote Console		RJ-45 8P8C for 10/100M Ethernet remote IP console. Connectors: 1 x RJ-45 Connector, 1 x Serial Port, 1 x Mini 5-Pin USB for mass storage	1 x RJ-45 Connector CAT5 console up to 1000 feet away from KVM switch with superior auto-adjust RGB gain/delay control capability
Daisy Chain Port	Support Daisy Chain function with 8-layer Bus topologies. Connector: 1 x HDDB-15 pin (Female Type)		
CAT5 Combo Dongle	3-to-1 CAT5 combo transmitter dongle. Combine three cables (keyboard, mouse and VGA) into one CAT5 cable before connecting to KVM switch. Support PS/2 and USB cable in the same dongle.		
Max. PC Connection	120 / 128 / 144		
Keyboard / Mouse	PS/2 or USB		
PC selection	On Screen Display (OSD) Menu, Hot Key		
Security	Provide ACL (Access Control List) security function, store up to 8 independent controllable PC lists		
Multilingual OSD (On Screen Display) control	8 languages (English, France, Germen, Spanish, Italian, Russian, Japanese, Chinese)		
Auto-Scan Intervals	5 ~ 99 Sec.		
Operation Temperature	0 ~ 50 ˚C		
Storage Temperature	-20 ~ 60 ˚C		
Humidity	0 ~ 80 %, Non-Condensing		
Net Weight	2.0 Kg / 4.4 lbs		
Dimension	420 x 170 x 44 mm / 16.5 x 6.7 x 1.7 inches		

KVM Switch Add-ons

IP module
Remote access for KVM switch

CAT5 module
Remote access for KVM switch

R-Box
Remote access for KVM switch

T-Dongle
CAT5 Transmitter

KC 1501C / 1503C / 1505C
Signal KVM cable

Modular Design LCD Console Add-ons

Venus 8D / 16D
8 / 16 ports modular combo-free KVM switch

Mars 8D / 16D / 32D
8 / 16 / 32 ports modular CAT5 KVM switch

Jupiter 8D / 16D
8 / 16 ports modular USB Hub KVM switch

Stand Alone KVM Switches

Venus 8 / 16
8 / 16 ports combo-free KVM switch

Venus 8 / 16 IP & Mars 8 / 16 IP
KVM over IP with 8 / 16 ports combo-free or CAT5
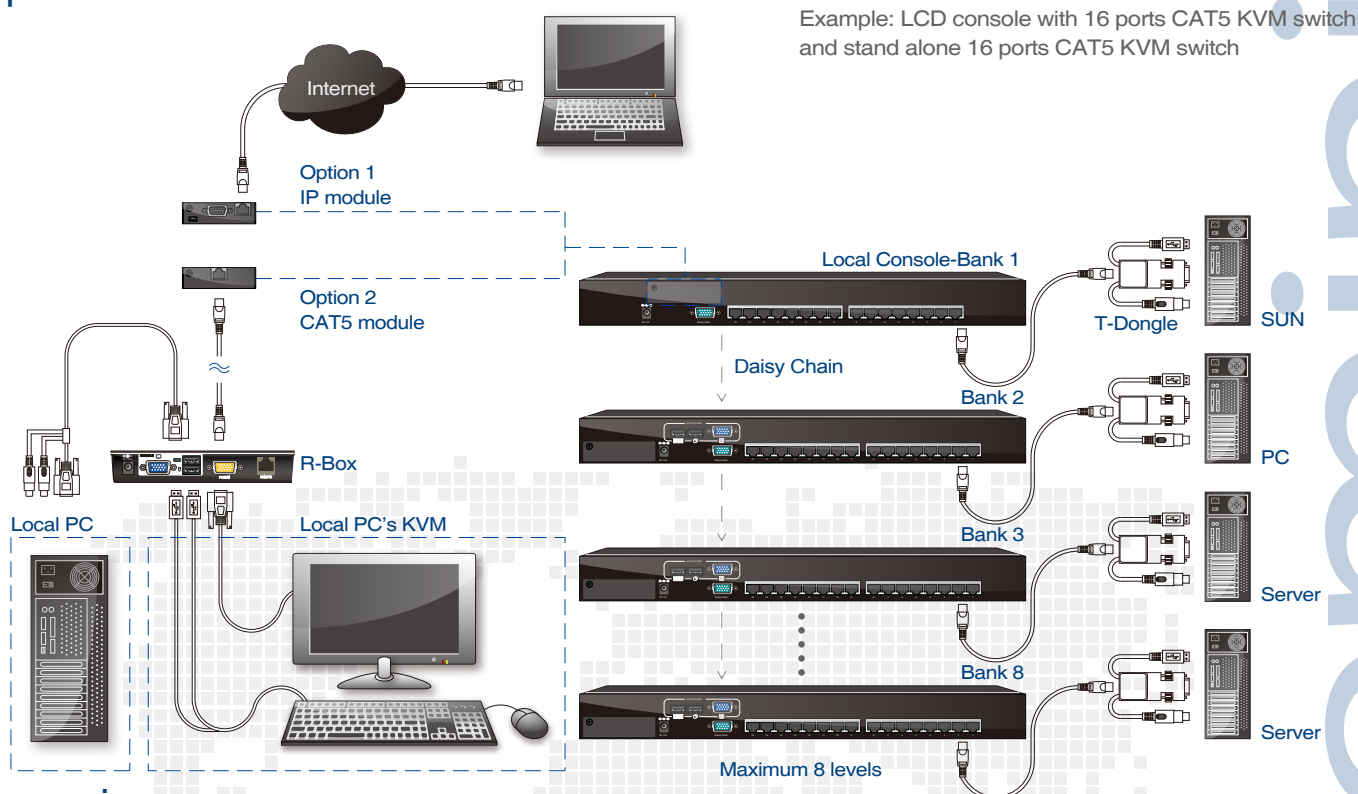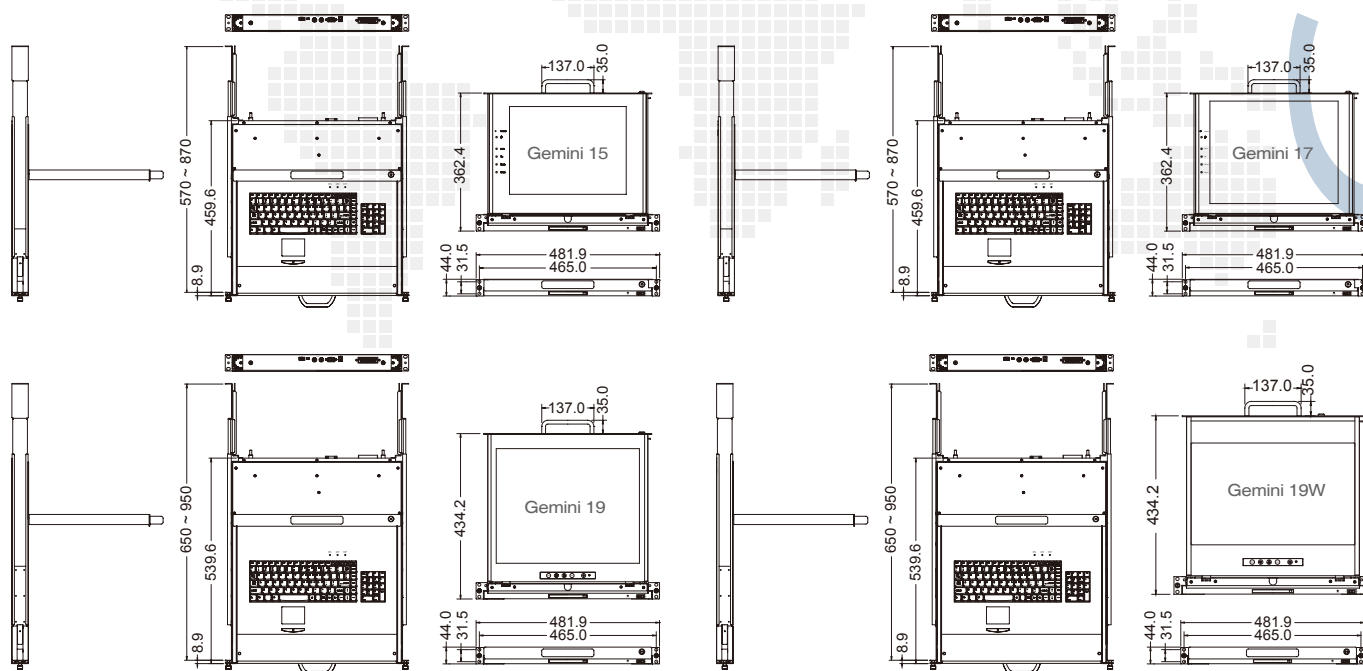
Mars 8 / 16
8 / 16 ports CAT5 KVM switch

Jupiter 8 / 16
8 / 16 ports USB Hub KVM switch

Application

Internet

Option 1
IP module

Option 2
CAT5 module

R-Box

Local PC

Local PC's KVM

Local Console-Bank 1

Daisy Chain

Bank 2

Bank 3

Bank 8

Maximum 8 levels

T-Dongle

SUN

PC

Server

Server

Gemini

Dimension

Gemini 15

137.0 35.0
362.4
570 ~ 870
459.6
8.9
44.0
31.5
481.9
465.0

Gemini 17

137.0 35.0
362.4
570 ~ 870
459.6
8.9
44.0
31.5
481.9
465.0

Gemini 19

137.0 35.0
434.2
650 ~ 950
539.6
8.9
44.0
31.5
481.9
465.0

Gemini 19W

137.0 35.0
434.2
650 ~ 950
539.6
8.9
44.0
31.5
481.9
465.0

LCD Console Options

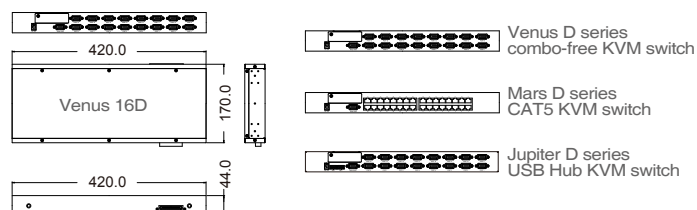| |
|---|
| Color (Black / Beige / OEM color) |
| Touch screen (USB or RS232) |
| Additional SUN function key (Gemini 17/19) |
| Signal cable 1.8m (cable 6 ft) |
| Audio function |
| DVI Interface |

420.0

Venus 16D

170.0

420.0

44.0

Venus D series
combo-free KVM switch

Mars D series
CAT5 KVM switch

Jupiter D series
USB Hub KVM switch

Adaptable Cabinet Depth of LCD Console

Model Name	Gemini 15	Gemini 17	Gemini 19	Gemini 19W
Depth of Console without modular KVM Switch	459.6 mm	459.6 mm	539.6 mm	539.6 mm
Adaptable Cabinet depth	570 ~ 870 mm	570 ~ 870 mm	650 ~ 950 mm	650 ~ 950 mm
Depth of Console with modular KVM Switch	637.6 mm	637.6 mm	717.6 mm	717.6 mm
Adaptable Cabinet depth	570 ~ 870 mm	570 ~ 870 mm	650 ~ 950 mm	650 ~ 950 mm

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BROADRACK

simple connectivity solutions

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