CAT6 KVM

NetView:1U Rackmount 21" Wide 1920 x 1080 LCD KVM with 104 key notepad MAC keyboard w/ Touchpad (e), Integrated with Matrix Cat6,16 KVM Ports + 1 User Via CAT5 Extender + 2 Users Via KVM over IP. Over Depth is 30 Inch. Dongles sold separately

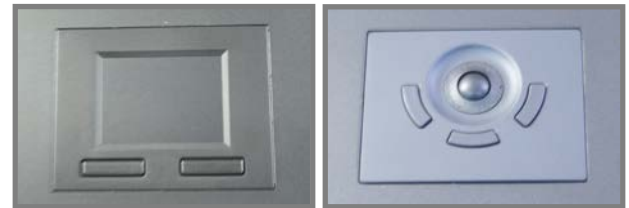## Model: NVPW1215MC2116Me

FEATURES:

- 1U 21" widescreen LCD console drawer
- Support Full HD with 1080p resolution
- 104-key MAC keyboard with touchpad
- New enhanced aesthetics with molded front handle

Drawer Features & Options

- 3G / HD / SD-SDI Broadcast-grade input (w/ speaker)
- HDMI (w/ speaker)
- DC power : 12V / 24V / 48V / 110 ~ 125V

SPECIFICATIONS:

LCD Panel	
Diagonal size	21.5" widescreen TFT
Max. Resolution	1920 x 1080
Brightness (cd/m2)	250
Backlight	LED
Colors	16.7M
Contrast Ratio (typ)	1000 : 1
Viewing Angle (H/V)	170° x 160°
Active area (mm)	477 x 268
MTBF (hrs)	30,000
Casing Color	Black (RAL 9005)
Weight (Single console	
Net	14.7 kgs / 32.3 lbs
Gross	18.9 kgs / 41.6 lbs
Environmental	
Operating	0 to 55°C Degree
Storage	-20 to 60°C Degree
Relative humidity	5~90%, non-condensing
Shock	10G acceleration (11 ms duration)
Vibration	5~500Hz 1G RMS random vibration
Regulatory	FCC & CE certified
Power	
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz
Consumption	Max. 32 Watt, Standby 4 Watt
Product Dimensions (Single console)	
Product	441.6 x 670 x 44 mm / 17.4 x 26.4 x 1.73 inch
Packing	595 x 860 x 140 mm / 23.4 x 33.9 x 5.5 inch

MAC Keyboard / Mouse Options

Me MAC keyboard integrated with touchpad

Mb MAC keyboard integrated with trackball

Supporting layouts

America

United States

How to Use "MAC" Keyboard

Keyboard Features

☀ F1	**F1** Decrease display brightness	▶▶ F9	**F9** Fast-forward
☀ F2	**F2** Increase display brightness	🔇 F10	**F10** Mute sound
F3	**F3** Mission control * Only works with OS X Lion default Keyboard Shortcuts.	🔉 F11	**F11** Decrease volume
F4	**F4** Dashboard	🔊 F12	**F12** Increase volume
◀◀ F7	**F7** Rewind	⏏	**Eject disc**
▶❙ F8	**F8** Play / Pause	⌘ command	**Command**

■ Hold the handle and slide out the drawer.

■ Flip up the LCD to a suitable angle

■ Operate the LCD console drawer.

LCD Panel

Flip up LCD from the side

Left

Right

Front Side

Option - Right Side Open

DIMENSION

Front View

441.6
19" Rackmount

Rear View

Power
DVI-D
KB / MS

UNIT : mm
1mm = 0.03937 inch

Side View

670
1U

Top View

441.6
670

STANDARD KEYBOARD

e keyboard integrated with touchpad

b keyboard integrated with trackball

Supporting layouts

America	United States				
EMEA	United Kingdom	Germany	France	Spain	Norway
	Italy	Russia	Switzerland	Netherlands	Portugal
Asia	China	Japan	Korea	Arabia	Turkey

STRUCTURE DIAGRAM

1. LCD interchangeable module kit
2. LCD membrane
3. Micro switch for screen auto power off
4. Installation Slides
5. Keyboard interchangeable module kit
6. Mouse interchangeable module kit
7. Carry handle to release the 2-pt lock
8. Membrane switch (KVM option)
9. Audio speaker (for SDI or HDMI option)
10. Front USB port for device access (USB Hub KVM only)

KVM PORT & CAT6 DONGLE CONNECTION

USB Servers

IF-DUSBD
DVI-USB dongle

USB

DVI-D

CAT 5 / 6 cable
max. 40 meters

Cat6 KVM port

PS/2 Servers

PS/2

IF-DPS2
VGA-PS/2 dongle

VGA

CAT 5 / 6 cable
max. 40 meters

USB Servers

IF-DUSB
VGA-USB dongle

USB

VGA

IF-DUSBD DVI-USB dongle
■ To connect DVI-D connector to the computer's video card
■ To connect USB connector to the computer's USB port

IF-DUSB VGA-USB dongle
■ To connect DB-15 connector to the computer's video card
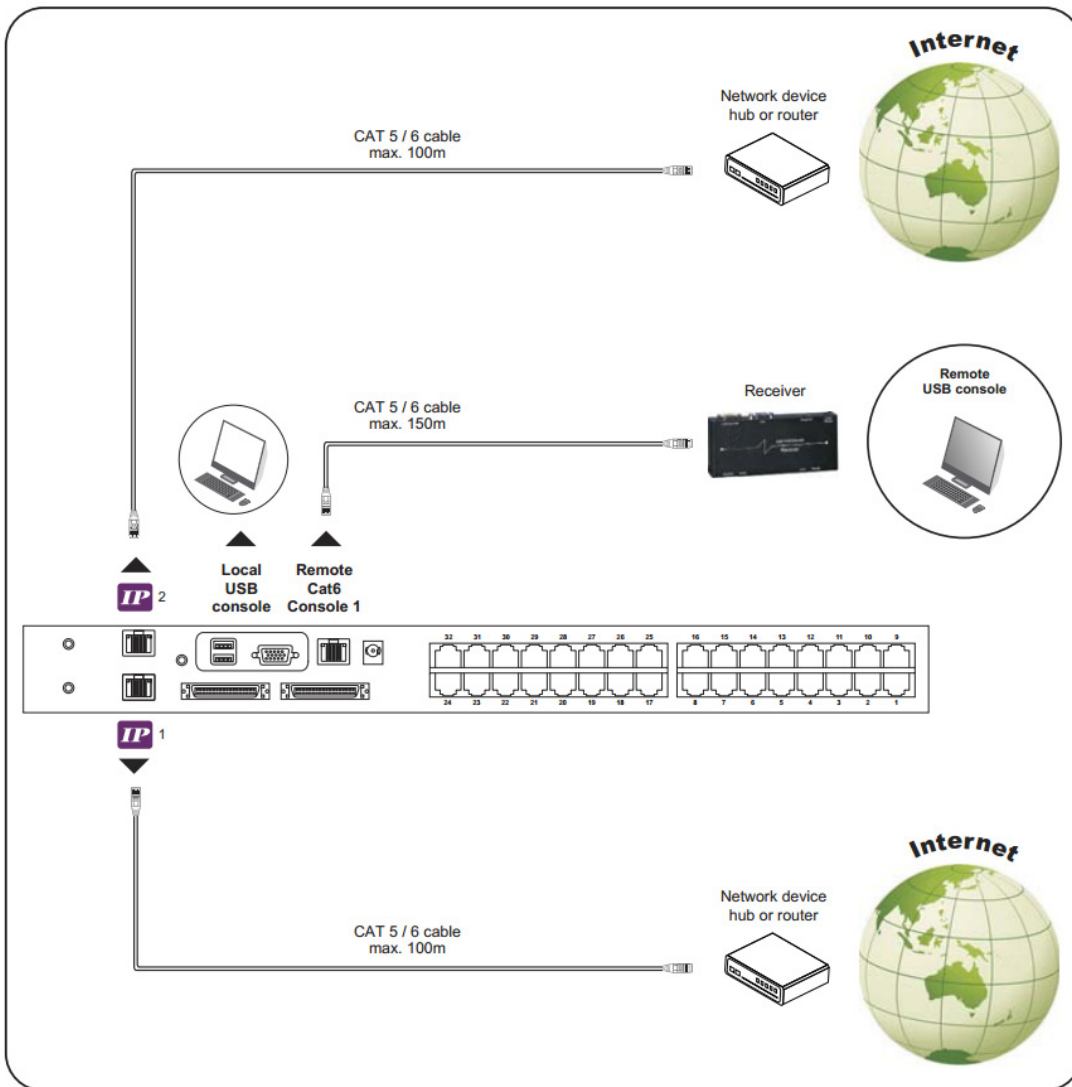■ To connect USB connector to the computer's USB port

IF-DPS2 VGA-PS/2 dongle
■ To connect DB-15 connector to the computer's video card
■ To connect PS/2 keyboard connector to the computer's keyboard port
■ To connect PS/2 mouse connector to the computer's mouse port

Cat6 Dongle	EDID	Resolutions Capable			
	Resolution	4:3			16:10
	Hard-coded	1024 x 768	1280 x 1024	1600 x 1200	1440 x 900
IF-DPS2	1600 x 1200	✔	✔	✔	✔ *
IF-DUSB	1600 x 1200	✔	✔	✔	✔ *
IF-DUSBD	1280 x 1024	✔	✔	✘	✘

* Requires the user to enable showing unsupported resolutions via the target computer's video adapter settings (effectively ignoring the DDC / EDID)
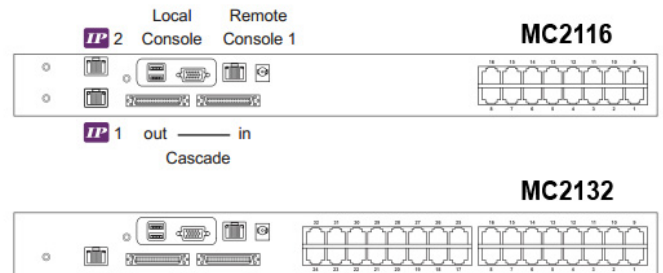
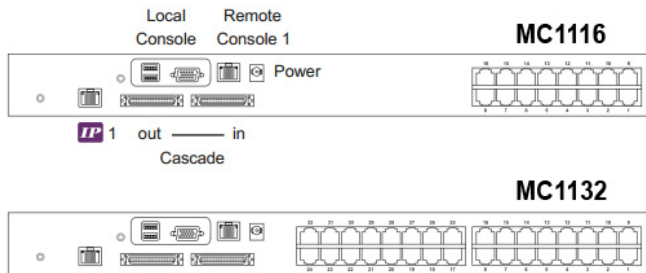## IP, REMOTE & LOCAL CONSOLE CONNECTION

Matrix Cat6 IP KVM Benefits

- ➢ **Secure IP remote user access across the world wide web**
- ➢ **Efficient system management with simultaneous multi-user access**
- ➢ **Capable of connecting 32 or 16 servers per device in 1U**
- ➢ **Support DVI-USB, VGA-USB & VGA-PS/2 server interface**
- ➢ **Up to 40 meters between your server & KVM switch**
- ➢ **Enhanced Cat6 cable management with remote access up to 150m**

Switch Features & Options

- Provide a diversity of console to access servers independently and simultaneously
- Use of the RJ45 Cat6 interface allows for a higher number of ports in smaller density
- Greater distances between your switch and servers allow enhanced data center rack layouts
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

KVM SPECIFICATIONS

■ KVM Port	
Number of ports:	16 or 32
Connector:	RJ-45
Connectivity:	DVI-D / VGA connector dongle up to 40 meters (132 feet) via Cat6 / Cat5 cable
■ Local Console	
Monitor port:	DB15-pin VGA
Keyboard & mouse port:	2 x USB type connector for keyboard & mouse
Resolution support:	4:3 - max. 1600x1200 16:10 - max. 1440x900
■ Cat6 Remote Console	
Number of remote port:	1
Monitor port:	DB15-pin VGA
Keyboard & mouse port:	2 x USB type connector for keyboard & mouse
Remote I/O:	RJ45 via Cat5 / Cat5e / Cat6 cable up to 500 feet
Resolution support:	4:3 -max. 1600x1200 16:10-max. 1440x900
■ IP Remote Console	
Number of IP console:	1 for MC1116 / MC1132 2 for MC2116 / MC2132
User management:	15-user login, 1 x active user
Browser:	Internet Explorer, Firefox, Safari
Security:	SSL v3, RSA, AES, HTTP / HTTPs, CSR
IP Access:	RJ45 Ethernet per IP console
Resolution support:	4:3-max. 1600x1200

■ Expansion:	Up to 256 servers by 8-level cascade
■ Compatibility:	
Multi-platform:	Mix PCs, SUN and Mac G3 / G4 Mac / iMac
Support:	Windows 7 / Vista / 2003 / XP, Linux, Unix
■ Power	
Input:	AC power adapter
Consumption:	Max. 48 Watt, Standby 5 Watt
■ Regulatory :	
Safety:	cUL, FCC & CE certified
Environment:	RoHS2 & REACH compliant
■ Environmental	
Operating:	0 to 50°C
Storage:	-5 to 60°C
Relative humidity:	90%, non-condensing
Shock:	50G peak acceleration (11ms, half-sine
Vibration:	58-100Hz / 0.98G (11ms / cycle)
■ Product Information	
Dimension (W x D x H):	443 x 171 x 44 mm / 17.4 x 6.7 x 1.73 inch
Net weight:	3 kg / 6.5 lb
■ Packing Information	
Dimension (W x D x H):	500 x400 x90 mm / 19.7 x 15.7x3.5 inch
Gross weight:	5 kg / 11 lb

KVM CASCADE

■ Cascade up to 8 levels, 256 servers
■ Cascading multiple KVM with CMC-8 cascade cable

Master KVM

out ——— in
Cascade

To cascade IN port

Slave KVM level 2 — MC0116

Slave KVM level 3 — MC0116

Up to Level 8

⚠ Cascaded KVMs from level 2 to 8 must be the models of **MC0116 / MC0132 or M018 / M0116.**

⚠ When multiple matrix KVMs cascade together, the master KVM at level 1 will take all control of other slave KVM switches (e.g. level 2 to 8).

⚠ The slave matrix KVM will be as a port expansion module of the master matrix KVM, the original remote console on slave KVM will be sacrificed and disabled.

CMC-8
■ 8ft Matrix KVM cascade cable