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KVM Product Family

- **Keyboard Video Mouse Switches**
- **Upgradable and interchangeable via the **SERVIS** Cable System**
- **KVM for PS/2, Sun and USB systems**
- **Single/multi-platform 4/8/16 port multi-interface**
- **High resolution CAT5 Extenders for remote access**
- **1U foldaway and lift-up console drawers**



FUJITSU

THE POSSIBILITIES ARE INFINITE

CAT5 Extenders FE-1000CW / FE-2000CW

- Remote access up to 300m between servers and console
- High quality audio transmission across CAT5E UTP cables (FE-2000CW)
- Supported video resolutions: up to 100m – QXGA (2048 x 1536)
up to 200m – UXGA (1600 x 1200)
up to 300m – SXGA (1280 x 1024)
- RGB colour shift correction circuit (Patent Pending)
- Dual console operation achieved with local and remote console ports
- Built-in skew compensation
- PC/AT IA server, Sun workstation and Sun server compatible
- Video input support for both separate sync and composite sync



FE-2000CW touch screen applications

CAT5 Extenders allow operation with an extended console (i.e. keyboard, mouse, monitor and high quality audio) across a CAT5E UTP cable so that servers that need to be installed in a secure controlled area can still be accessed by a remote user. The distance between servers and remote user can be up to 300m using CAT5E UTP cable.

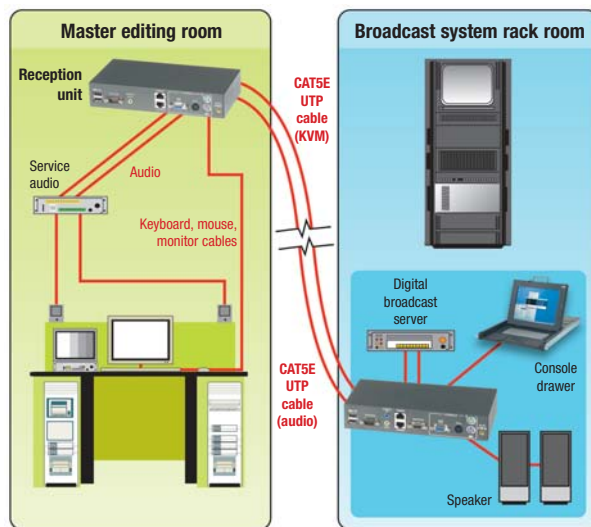
The keyboard/mouse interface supports PS/2, Sun mini DIN 8 pin and USB, and has a compact case with a height of only 1U, which can be mounted on 19-inch racks. Used in combination with Fujitsu KVM switches (SERVIS) or a console drawer (SERVIS Drawer), multiple servers can be accessed from a remote location. Additional local access console port also allows a user to access servers within the room.



FE-2000CW Audio applications



FE-1000CW



For fine adjustment of image quality, focus and brightness controls are provided. The CAT5 Extenders incorporate an industry-pioneering RGB colour shift correction circuit (patent pending), thereby solving the problem of colour shift caused by the difference in length of each signal line within the cable.

Leading the way in the industry Fujitsu can offer users the ability to remotely support QXGA resolution, utilising latest RGB technology ensures top quality colour reproduction and is ideal for applications that require high resolutions. The FE-2000CW model allows for the extension of RS-232C/audio for touch screen applications.

CAT5 Extenders enable not only the effective utilisation of racks, but also an improvement in operability following the elimination of the need to travel to the server room to conduct operations.

CAT5 Extenders Specifications

Model	CAT5 FE-1000CW	CAT5 FE-2000CW
Console Monitor	Mini D-SUB 15 Pin Female	
Console Keyboard	PS/2 Mini DIN 6-pin Female, SUN Mini DIN 8-pin Female, PC USB, SUN USB	
Console Mouse	PS/2 Mini DIN 6-pin Female, SUN Mini DIN 8-pin Female, PC USB, SUN USB	
Console Audio	–	Stereo mini phone jack (Audio Line In/Out)
Distance Between Units (Monitor Resolution)	Up to 100m: QXGA (2048 x 1536), up to 200m: UXGA (1600 x 1200), up to 300m: SXGA (1280 x 1024)	
Extension Between Units	Console Port / RJ45 (8-Line) x 1	
	–	Audio Port / RJ45 (8-Line) x 1
Power Supply	TX DC 5V / 0.7A (DC max)	DC 5V / 0.8A (AC Adaptor)
	RX DC 5V / 0.7A (DC max)	DC 5V / 0.9A (AC Adaptor)
Storage Temperature	-20°C to 60°C	
Operating Temperature	0°C to 40°C (10% to 80% Relative Humidity)	
Weight	330 g	0.8 kg
Dimensions (H x W x D)	TX 25 x 110 x 110 mm	42 x 220 x 120 mm
	RX 25 x 110 x 110 mm	42 x 220 x 127 mm

KVM FS-1004MT / 1004MU / 1008MT / 1008MU / 1016MT

- Support for future system types with internet downloadable firmware
- Extendable front face for easy rack mounting of the console connections close to the back edge of the rack (KVM FS-1008MT/MU and KVM FS-1016MT only)
- Support for USB, PS/2 and SUN systems, both Sun I/O and Sun USB
- Configurable hot keys
- Switching options can be chosen from OSD (On Screen Display)*, front panel switches and hot key switching with full support of scrolling mice and indicator lights
- Extended Display Identification Data (EDID) for all ports
- 1.8m, 3m and 5m cables available
- USB & PS/2 keyboard/mouse console ports



KVM FS-1004MU (Multi-platform)
front and back shown
with USB console ports, keyboard, mouse



KVM FS-1008MU (Multi-platform)
front and back shown
with USB console ports, keyboard, mouse



KVM FS-1016MT (Multi-platform) – cable side view



Cables for: USB systems



PS/2 systems



Sun systems

FS-1004MT / 1004MU / 1008MT / 1008MU / 1016MT Specifications

Model	KVM FS-1004MT	KVM FS-1004MU	KVM FS-1008MT	KVM FS-1008MU	KVM FS-1016MT
Cascadeable	4 units per KVM, with up to 4 slave KVMs providing support for up to 16 servers		8 units per KVM, with up to 8 slave KVMs providing support for up to 64 servers		16 units per KVM, with up to 16 slave KVMs providing support for up to 256 servers
SERVIS Cable System ports	4 x D-SUB 15-pin female		8 x D-SUB 15-pin female		16 x D-SUB 15-pin female
PC ports	▲	■	▲	■	▲
Monitor resolution	1600 x 1200				
Monitor bandwidth	200 MHz				
Power supply	Auto sensing AC power input providing the internal system with DC +5 V ±5%				
Current consumption	100 mA max with 1 unit, 600 mA max with 16 units				
Operating temperature	0°C to 40°C				
Storage temperature	-20°C to 60°C				
Dimensions (H x W x D)	45 x 195 x 105 mm	–	42 x 437 x 200 mm	–	42 x 437 x 200 mm
Weight	1.05 kg		2.8 kg		2.8 kg
Auto scan cycle	3, 5, 10, 20, 40 and 60 second intervals selectable, 10 seconds is the default				
Hot key	Selectable by DIP switch setting on the back of the unit				

▲ 2 x 6-pin mini-DIN mouse/keyboard ports, 1 x Sun I/O port, 1 x D-SUB 15-pin female monitor port
 ■ 2 x 6-pin mini-DIN mouse/keyboard ports, 1 x D-SUB 15-pin female monitor port, 2 x USB



FD-1100MT with 17" LCD display



FD-1000AT



FD-1016MT console drawer with 16 port switch installed

1U Integrated Console Drawers

15" and 17" Foldaway LCD: FD-1000AT (1024 x 768), FD-1100MT (1280 x 1024)

17" Lift-up LCD: FD-5100MT (1280 x 1024)

- Flat modular construction for 19" rack mounting
- 15" and 17" TFT LCD supporting resolutions up to 1280 x 1024
- Sun, Intel Architecture PS/2 and USB support allowing control of Intel Architecture or SUN Blade/Fire series servers (simple cable configuration via the SERVIS Cable System)
- Built-in On Screen Display (OSD) allows server naming and selection (when used with the optional KVM products)
- Folds down to only 43mm high for 1U implementations
- Slide rails allow easy installation and configuration
- Short pull design with front opening screen for added protection from accidental damage



FD-5100MT with 17" LCD display, lift-up keyboard and optical reflection mouse

The new FD-5100 Series 17" lift up drawer sees improved operability and visibility in the server rack environment with an integrated high res 17" TFT liquid-crystal display, a flat surface for operation through automatic liftup and increased operability through a thin optical reflection mouse.*

FD-1000AT / FD-1100MT Specifications

Model	FD-1000AT	FD-1100MT
Console ports	Supplied as a console drawer with 8 or 16 KVM ports	
Signal format	Analog RGB, separate sync.	Analog RGB, separate sync. (composite sync. Sun)
LCD	15" and 17" TFT colour	
Size	15" and 17" TFT colour	
Resolution	640 x 480, 800 x 600, 1024 x 768	1024 x 768, 1280 x 1024, 1152 x 900 (Sun)
Active area / Pixel pitch	304.1 x 228.1 mm / 0.297 x 0.297 mm	304.5 x 228.4 mm / 0.264 x 0.264 mm
Compatibility	VESA DPMS and DDC 2B Sun	
Luminance	250 cd/m ² typ. (180 cd/m ² min.)	250 cd/m ² typ. (200 cd/m ² min.)
Contrast ratio / Viewing angle	350 typ. (200 min.) / left 75°, right 75°, upper 45°, lower 75°	450 typ. (350 min.) / left 75°, right 75°, upper 75°, lower 60°
Scan frequencies	31.5 to 60 kHz (horizontal), 56 to 75 Hz (vertical)	31.5 to 80 kHz (horizontal), 56 to 75 Hz (vertical)
Panel colour	16.7 million display colours	
Language selection	English, German, Italian, French, Spanish (other languages by special order)	
Life	At least 50,000 hrs. for the backlight luminosity to halve (for cont. lighting at 25°C)	
Touch pad	Type / Resolution: Capacitive type / 220 ppi (points per inch)	
Keyboard	Life: 5 million life cycles	
Dimensions	H x W x D (contracted)	42 x 485 x 642 mm
	H x W x D (extended)	42 x 485 x 1117 mm
	Rack Size	Installed on EIA standard 19", 1U size rack
	Weight	12 kg
AC power supply voltage rating	Auto sensing AC 85-264 V (for LCD), 47-63 Hz, 100 V	Auto sensing AC 100-240 V (for LCD), 50-60 Hz
		0.7 A to 200 V / 0.4 A
	Keyboard, Touch pad	DC +5 V / 0.1 A (supplied by server)
	LCD	35 W max. (on), 3 W max. (power saving mode)
Environmental	Temp: operating / storage	0°C to 40°C / -20°C to 60°C
	Humidity: operating / storage	5°C to 35°C / 0°C to 50°C
		10% to 80% (no cond.) / 10% to 90% (no cond.)
Certification	CE / UL / TUV / FCC class B / VCCI class B / CB	
MTBF	25,000 hrs. (LCD)	28,000 hrs.

Specifications are subject to change without notice. For the latest information, contact your local Fujitsu representative.

* Please visit www.fel.fujitsu.com for further specifications

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