



KS-616F, KS-624F



16/24-Port 10/100 Workgroup Switches with Fiber Optic Uplinks

The KTI KS-616F and KS-624F Switches are 16-Port and 24-Port 10/100Mbps switches designed for workgroup applications. Each port provides full-duplex connection up to 20Mbps or 200Mbps by auto-negotiating the network speed and duplex type with the other end of the link.

The KS-616F and KS-624F come with trunking support to provide aggregate bandwidth between switch to switch connection. Both KS-616F & KS-624F can be configured in a variety of trunking combinations by using the DIP switches located on the rear panel.

Two fiber optic slots are available for KS-616F and KS-624F and these slots are shared with two TP ports of the switches for the flexibility of media type selection. The available media types of the fiber optic modules include multimode duplex ST, SC, MT-RJ, VF-45, single mode duplex SC(15km, 30km, 50km), MT-RJ.

KS-616F and KS-624F are designed to improve the network traffic congestion in traditional shared media network and to offer a cost effective and flexible solution to most workgroups where 10M to 100M migration, 10M and 100M integration, and higher bandwidth are needed.

Key Features:

- Comply with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX and IEEE 802.3u 100Base-FX standards
- Provide 16/24 10/100Mbps speed and full/half duplex auto-negotiation switched ports
- Each unit provides two modular slots shared with two TP ports for fiber optic uplinks
- Fiber optic modules are available in a variety of media types include multimode duplex ST, SC, MT-RJ, VF-45, single mode duplex SC, MT-RJ
- Provide one additional RJ45 jack for easy TP uplink connection
- Store-and-forward architecture with non-blocking switching fabric
- Wire speed filtering and forwarding rate
- Support full-duplex flow control (IEEE 802.3x)
- Back-pressure flow control in half-duplex mode
- Support a variety of pre-set trunking configurations selectable via DIP switches to provide aggregate bandwidth up to 800Mbps for the connections between KS-616F/KS-624F switches
- Duplex types of two fiber optic slots and the TP ports that shared with these two fiber optic slots are selectable via DIP switches
- Support full diagnostic LED indicators to display each TP port, fiber port, and power status
- 19" rack mountable



Both KS-616F and KS-624F support Trunking feature via convenient DIP switch settings on the rear panel.

Trunking function provides aggregate bandwidth for the switch to switch connection.



Two fiber optic slots can be configured to either full-duplex mode or half-duplex mode via the DIP switches.

Specifications

Ordering Information:

Base Units:

KS-616F:
16-Port 10/100 Workgroup Switch
KS-624F:
24-Port 10/100 Workgroup Switch

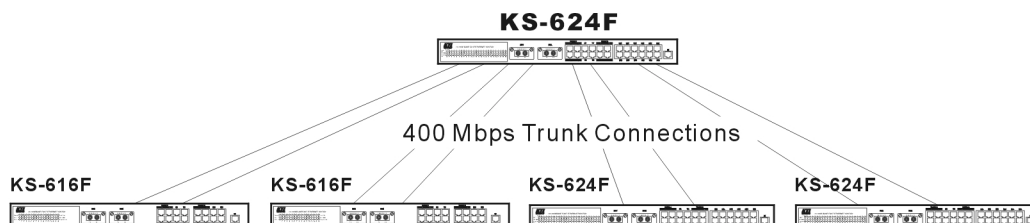
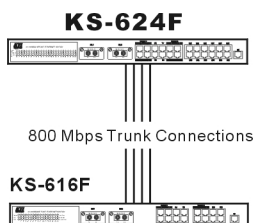
Fiber Optic Modules:

Model	Fiber Mode	Connector	Max. Distance
KS-600-T	MM ^{*1}	ST	2Km
KS-600-C	MM	SC	2Km
KS-600-SA	SM ^{*2}	SC	15Km
KS-600-S3	SM	SC	30Km
KS-600-S5	SM	SC	50Km
KS-600-JM	MM	MT-RJ	2Km
KS-600-JS	SM	MT-RJ	15Km
KS-600-VM	MM	VF-45	2Km

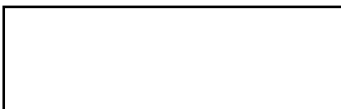
*1: Multimode Fiber
*2: Single Mode Fiber

16/24-Port 10/100 Workgroup Switches:

Model	KS-616F	KS-624F
Standard	IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX, 100Base-FX Fast Ethernet, IEEE 802.3x Flow Control	
10/100 Port	16 (14, if 2 fiber slots are used)	24 (22, if 2 fiber slots are used)
100Base-FX Slot	2	2
Filtering address	Unicast/ Multicast/ Broadcast address: 4K MAC addresses per unit	
Filtering rate	14,880 pps for Ethernet, 148,800 pps for Fast Ethernet	
Forwarding rate	14,880 pps for Ethernet, 148,800 pps for Fast Ethernet	
RAM Buffers	1MB	1.5MB
Connectors	Shielded RJ45	
Cables	10Base-T: 100Base-TX:	Cat. 3, 4, or 5 UTP cable (100m max.) Cat. 5 UTP cable (100m max.)
LED indicators	<ul style="list-style-type: none"> - Power status for each unit - Link/Activity, 10/100, Duplex/Collision status for each TP port - Link/Activity, 100, Duplex/Collision for each Fiber slot 	
Environment	Temperature: 0° to 40° C Relative Humidity: 10% to 90% non-condensing	
Dimension	440 x 150 x 44.5mm (17.32 x 5.91 x 1.75inch)	
Power	100-240 VAC, 47/63 Hz, 25W	



FCC Part 15, Class A
CISPR 22 Class A



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