I2000U Series

Infinique Networks Layer2 Access Switch

Easy to Deploy Unmanaged Gigabit Layer2 Switching Solution

Overview

Infinique's 2000 Series Switches are a Layer-2 high performance unmanaged network switches that are simple plug-and-play and designed for easy of use. These Layer-2 switches offer excellent high speed performance through line-rate forwarding on all ports, and have advance redundancy and reliability features implemented through the industry standard protocols like the Ethernet Ring Protection Switching Protocol.

These switches meet the comprehensive demands of a Small and Medium Business customer requirements such as networks of a branch office, hotels, hospitals, restaurants, school, warehouses and retail stores.

Product Highlights

- High performance Gigabit Ports for Fast Connections
- Non-blocking High Speed Forwarding for Efficiency
- Universal 10/100/1000 Mbps ports for legacy to latest Gigabit devices
- Auto MDI/MDIX crossover for easy cabling
- Plug and Play PoE+ connectivity with Intelligent PoE power allocation
- Robust Aluminum metal alloy enclosure with Fan or Fan-less design for excellent heat dissipation
- Supports Industry Standards such as IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, and IEEE 802.3az

infinique™

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TECHNICAL SPECIFICATIONS

Non-POE Models

	I2000U-8T	I2000U-16T-2G	I2000U-24T	I2000U-24T-2G
General				
10/100/1000 Ports	8x RJ-45 Ports	16x RJ-45 Ports	24x RJ-45 Ports	24x RJ-45 Ports
SFP 1G Ports	NA	2x 1G Fiber Ports	NA	2x 1G Fiber Ports
Console Ports	NA	NA	NA	NA
Host Support		IPv4 / IPv6 ready		
LED Indicator Status		Power: Yellow, System: Yellow, Network: Link/Act Yellow, SFP: Link/Act Green, PoE: Green		
Factory Reset Button		NA		
Performance				
Switching Bandwidth	16Gbps	36Gbps	48Gbps	52Gbps
Transmission		Store and Forward		
Forwarding Rate	11.90mpps	26.78mpps	35.71mpps	36.68mpps
Buffer Memory		4.1Mbit		
Jumbo Frame		10Kbytes		
MAC Addresses Table Size		8K		
MTBF		300,000 hours		
Power Management				
Power Supply Type		Fixed		
Power Input		AC 100~240V 50~60Hz		
Max Power Consumption	5.2W	8W	16W	15W
Environment				
Temperature (Celsius)		Operating: -5 °C to +45 °C; Storage: -40 °C to +70 °C		
Humidity		Operating: 10% to 90% non-condensing; Storage: 5% to 95% non-condensing		
Heat Dissipation (BTU)	13.78	50	54.59	56.64
Physical				
Dimensions (WxDxH) mm	220x160x44.2	440x208x44.2	280x126x44.2	442x220x44.2
Weight	1.6Kg	3.2Kg	1.7Kg	2.9Kg
Mounting Options				
Standards and Compliance				
Safety	CE/LVD EN 62368-1 RoHS			
EMC/EMI	EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3			
Green Energy (EEE)	IEEE802.3az Energy Efficient Ethernet Task Force			
Lighting Protection	4KV			

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TECHNICAL SPECIFICATIONS

POE Models

	I2000U-1T-8P-1G-140	I2000U-16P-2G-250	I2000U-24P-2G-180	I2000U-24P-2G-380
General				
10/100/1000 Ports	9x RJ-45 Ports	16x RJ-45 Ports	24x RJ-45 Ports	24x RJ-45 Ports
SFP 1G Ports	1x Fiber Port	2x 1G Fiber Ports	2x 1G Fiber Ports	2x 1G Fiber Ports
Console Ports	NA	NA	NA	NA
Host Support		IPv4 / IPv6 ready		
LED Indicator Status		Power: Yellow, System: Yellow, Network: Link/Act Yellow, SFP: Link/Act Green, PoE: Green		
Factory Reset Button		NA		
Performance				
Switching Bandwidth	20Gbps	36Gbps	52Gbps	52Gbps
Transmission		Store and Forward		
Forwarding Rate	14.88mpps	26.78mpps	38.68mpps	38.68mpps
Buffer Memory		4.1MB		
Jumbo Frame		10Kbytes		
MAC Addresses Table Size		8K		
MTBF		300,000 hours		
Power Management				
Power Supply Type		Fixed		
Power Input		AC 100~240V 50~60Hz		
Max Power Consumption	150W	297W	200W	400W
PoE Standard		IEEE802.3af/at		
PoE Ports	8	16	24	24
PoE Power Budget	140W	250W	180W	380W
Environment				
Temperature (Celsius)		Operating: -5 °C to +45 °C; Storage: -40 °C to +70 °C		
Humidity		Operating: 10% to 90% non-condensing; Storage: 5% to 95% non-condensing		
Heat Dissipation (BTU)	554.79	1014.39	736.99	1278.22
Physical				
Dimensions (WxDxH) mm	280x180x44.2	440x240x44.2	440x208x44.2	440x208x44.2
Weight	2.5Kg	3.5Kg	3.7Kg	3.7Kg
Mounting Options				
Standards and Compliance				
Safety	CE/LVD EN 62368-1 RoHS			
EMC/EMI	EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3			
Green Energy (EEE)	IEEE802.3az Energy Efficient Ethernet Task Force			
Lighting Protection	4KV			

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Ordering Information

Part Number	Description
Non-PoE Models	
I2000U-8T	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 8x 100/1000M Ethernet Ports, Single AC Power
I2000U-16T-2G	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 16x 100/1000M Ethernet, 2x 1G SFP Ports, Single AC Power
I2000U-24T	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 24x 100/1000M Ethernet Ports, Single AC Power
I2000U-24T-2G	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 24x 100/1000M Ethernet, 2x 1G SFP Ports, Single AC Power
PoE Models	
I2000U-1T-8P-1G-140	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 8x 100/1000M PoE Ethernet Ports, 1x 100/1000M Ethernet, 1x 1G SFP Ports, 140W PoE Budget, Single AC Power
I2000U-16P-2G-250	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 16x 100/1000M Ethernet, 2x 1G SFP Ports, 250W PoE Budget, Single AC Power
I2000U-24P-2G-180	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 24x 100/1000M PoE Ethernet, 2x 1G SFP Ports, 180W PoE Budget, Single AC Power
I2000U-24P-2G-380	Infinique I2000U Series Layer 2 1G Unmanaged Access Switch, 24x 100/1000M PoE Ethernet, 2x 1G SFP Ports, 380W PoE Budget, Single AC Power

Customer Support, Service and Warranty

Infinique network switches come with a standard one-year limited hardware warranty that covers repair or replacement of parts.
Cloud and Software: 90 days, can be extended with support contract.