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Industrial Ethernet Switch

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Industrial Ethernet Switch

Industrial Ethernet switches are used to form the network backbone in intelligent transportation, IP surveillance, and major industrial automation projects. Anewtech provides a wide range of industrial Ethernet switches and networking devices with a unique mixture of industrial-grade reliability, resiliency and network redundancy, seamless integrated security, and best price-to-performance ratio.

The advantages of Anewtech's switches are open architecture (compatible with other vendor's switches) and fast recovery time (<10ms). Anewtech uses open ring and standard protocol to break through the monopoly situation and provide many powerful, user-friendly management utility to make harden product become friendly.

Redundant Ring Technology

O-Ring (<10ms)

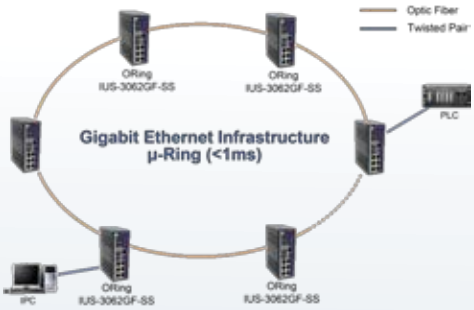
O-Ring is Anewtech's proprietary redundant ring technology, with recovery time of less than 10 milliseconds and up to 250 nodes. The O-Ring redundant ring technology can protect mission critical applications from network interruptions or temporary malfunction with its fast recover technology.

Open-Ring

Open-Ring is an enhanced redundancy technology that makes Anewtech's switches compatible with any redundant proprietary ring technologies from any other vendors. When Open-Ring joins a proprietary ring from other vendors as a new ring, the recovery time for that new ring is depended on that vendor's proprietary ring technology. This outstanding feature could reduce costs and preserve user's previous investments.

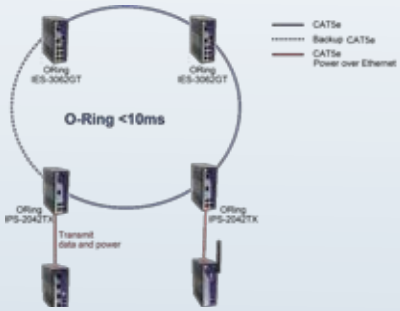
μ-Ring (<1ms)

μ-Ring is the world's fastest redundant Ethernet ring technology. The recovery time of μ-Ring technology is less than 1 ms for over 500 units, even in Gigabit Ethernet environment. This amazing innovation is based on the globally exclusive ASIC based redundant ring technology. That is the reason why the recovery time is less than 1 ms with almost zero packet loss while the whole network accidentally fails.



PoE (Power over Ethernet)

Anewtech's Power-over-Ethernet industrial Ethernet switches are designed to transmit electrical power along with data. With PoE, installation of network devices such as IP surveillance cameras, wireless access points, IP phones, and other PoE enabled devices in hard-to-reach, outdoor, and remote areas is simplified. Each switch of IPS series has four 10/100Base-T(X) P.S.E. ports.



Gigabit Industrial Switch Series

Model Name	Anewtech IGS-3044GP	Anewtech IGS-3044GP	Anewtech IGS-1050A / 1041GPA	
Port Number				
Number of ports	8	5	5	
10/100 Base-T(X) RJ45 Ports	-	-	-	
1000Base-T RJ45 Ports	4	3	5	4
100Base-FX Fiber Ports	-	-	-	
1000Base-X Fiber Ports	-	-	1	-
100Base-FX SFP Ports	-	-	-	
1000Base-X SFP Ports	4	-	-	1
Gigabit Combo Ports	-	2	-	
Power Redundancy				
DC Terminal Block	2	2	2	
DC Power Jack	-	1	-	
AC Power Cord	-	-	-	
Installation				
DIN-Rail Mounting	•	•	•	
Panel Mounting	•	•	•	
Rack Mounting	-	-	-	
Mechanical				
Casing Protection	IP-30			
Dimension (mm)	74(W) x 109(D) x 154(H) mm	52(W) x 106(D) x 144.3(H) mm	26(W) x 95(D) x 144.3(H) mm	
Operating Temperature				
-10 to 60°C	-	•	-	
-40 to 70°C	•	-	•	
Network Redundancy				
O-Ring (<10 ms recovery technology)	•	•	-	
Open-Ring (Ring compatiable technology)	•	•	-	
O-RSTP (Optimized Rapid Spanning Tree Protocol)	•	•	-	
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	•	•	-	
Network Management and Control				
802.1X	•	•	-	
Rate Limit	•	•	-	
Port Mirror	•	•	-	
Port Security	•	•	-	
IGMP V1/V2/V3	•	•	-	
QoS Port Base/COS/TOS	•	•	-	
Port Trunk Static/LACP	•	•	-	
LLDP	•	•	-	
System Alarm	SYSLOG / SMTP / SNMP Trap / Relay		Relay	
DHCP	Server / Client		-	
VLAN	Port Base / 802.1Q / Q-in-Q / GVRP		-	
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console		-	
Regulatory Approvals				
CE	•	•	•	
FCC	•	•	•	
EN60950	•	•	•	
Warranty	5 years	5 years	5 years	

Industrial Managed Ethernet Switch

Model Name	Anewtech IES-3240	Anewtech IES-3162GC	Anewtech IES-3160	Anewtech IES-3073GC	Anewtech IES-3082GP	Anewtech IES-3062 / IES-3080	
Port Number							
Number of ports	24	18	16	10	10	8	
10/100 Base-T(X) RJ45 Ports	24	16	16	7	8	6	8
1000Base-T RJ45 Ports	-	-	-	-	-	2	-
100Base-FX Fiber Ports	-	-	-	-	-	2 (Muti/ Single-Mode)	-
1000Base-X Fiber Ports	-	-	-	-	-	2 (Muti/ Single-Mode)	-
100Base-FX SFP Ports	-	-	-	-	-	-	
1000Base-X SFP Ports	-	-	-	-	2	-	
Gigabit Combo Ports	-	2	-	3	-	-	
Power Redundancy							
DC Terminal Block	2	2	2	2	2	2	
DC Power Jack	-	-	-	-	1	1	
AC Power Cord	-	-	-	-	-	-	
Installation							
DIN-Rail Mounting	•	•	•	•	•	•	
Panel Mounting	•	•	•	•	•	•	
Rack Mounting	-	-	-	-	-	-	
Mechanical							
Casing Protection	IP-30						
Dimension (mm)	74(W) x 109(D) x 154(H) mm				52(W) x 106(D) x 144(H) mm		
Operating Temperature							
-10 to 60°C	-	-	-	-	-	-	
-40 to 70°C	•	•	•	•	•	•	
Network Redundancy							
O-Ring (<10 ms recovery technology)	•	•	•	•	•	•	
Open-Ring (Ring compatiable technology)	•	•	•	•	•	•	
O-RSTP (Optimized Rapid Spanning Tree Protocol)	•	•	•	•	•	•	
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	•	•	•	•	•	•	
Network Management and Control							
802.1X	•	•	•	•	•	•	
Rate Limit	•	•	•	•	•	•	
Port Mirror	•	•	•	•	•	•	
Port Security	•	•	•	•	•	•	
IGMP V1/V2/V3	•	•	•	•	•	•	
QoS Port Base/COS/TOS	•	•	•	•	•	•	
Port Trunk Static/LACP	•	•	•	•	•	•	
LLDP	•	•	•	•	•	•	
System Alarm	SYSLOG/SMTP/SNMP Trap/Relay						
DHCP	Server / Client						
VLAN	Port Base/802.1Q/Q-in-Q/GVRP				Port Base / 802.1Q / GVRP		
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console				WEB / Open-Vision / Open-Vision Pro / SNMP V1,V2c,V3 / Telnet / Console		
Regulatory Approvals							
CE	•	•	•	•	•	•	
FCC	•	•	•	•	•	•	
EN60950	•	•	•	•	•	•	
Warranty	5 years	5 years	5 years	5 years	5 years	5 years	

Industrial Lite-Managed Ethernet Switch

Model Name	Anewtech IES-2042PA	Anewtech IES-2060FX / 2042FX		Anewtech IES-2050A
Port Number				
Number of ports	6	6		5
10/100 Base-T(X) RJ45 Ports	4	6	4	5
1000Base-T RJ45 Ports	-	-		-
100Base-FX Fiber Ports	-	-	2 (Multi/ Single-Mode)	-
1000Base-X Fiber Ports	-	-		-
100Base-FX SFP Ports	2	-		-
1000Base-X SFP Ports	-	-		-
Gigabit Combo Ports	-	-		-
Power Redundancy				
DC Terminal Block	2	2		2
DC Power Jack	-	1		-
AC Power Cord	-	-		-
Installation				
DIN-Rail Mounting	•	•		•
Panel Mounting	•	•		•
Rack Mounting	-	-		-
Mechanical				
Casing Protection	IP-30			
Dimension (mm)	26(W) x 95(D) x 144(H) mm	52(W) x 106(D) x 144(H) mm		26(W) x 95(D) x 144(H) mm
Operating Temperature				
-10 to 60°C	-	-		-
-40 to 70°C	•	•		•
Network Redundancy				
O-Ring (<10 ms recovery technology)	•	•		•
Open-Ring (Ring compatiable technology)	•	•		•
O-RSTP (Optimized Rapid Spanning Tree Protocol)	-	-		-
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	•	•		•
Network Management and Control				
802.1X	-	-		-
Rate Limit	-	-		-
Port Mirror	-	-		-
Port Security	-	-		-
IGMP V1/V2/V3	-	-		-
QoS Port Base/COS/TOS	-	-		-
Port Trunk Static/LACP	-	-		-
LLDP	•	•		•
System Alarm	SYSLOG / SMTP / SNMP Trap			
DHCP	Client			
VLAN	Port Base			
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3			
Regulatory Approvals				
CE	•	•		•
FCC	•	•		•
EN60950	•	•		•
Warranty	5 years	5 years		5 years

Industrial Ethernet Switch

Industrial Unmanaged Ethernet Switch

Model Name	Anewtech IES-1162GC	Anewtech IES-1082GP	Anewtech IES-1062/ 1080		Anewtech IES-1050A/ 1080A		Anewtech IES-1042FX/ 1041FX		Anewtech IES-1050	
Port Number										
Number of ports	18	10	8		5	8	6	5	5	
10/100 Base-T(X) RJ45 Ports	16	8	6	8	5	8	4		5	
1000Base-T RJ45 Ports	-	-	2	-	-		-		-	
100Base-FX Fiber Ports	-	-	2 (Multi/ Single-Mode)	-	-		2 / 1 (Multi/ Single-Mode)		-	
1000Base-X Fiber Ports	-	2 (SFP)	2 (Multi/ Single-Mode)	-	-		-		-	
100Base-FX SFP Ports	-	-	-		-		-		-	
1000Base-X SFP Ports	-	2	-		-		-		-	
Gigabit Combo Ports	2	-	-		-		-		-	
Power Redundancy										
DC Terminal Block	2	2	2		2		2		1	
DC Power Jack	-	1	1		-		-		-	
AC Power Cord	-	-	-		-		-		-	
Installation										
DIN-Rail Mounting	●	●	●		●		●		●	
Panel Mounting	●	●	●		●		●		●	
Rack Mounting	-	-	-		-		-		-	
Mechanical										
Casing Protection	IP-30	IP-30	IP-30		IP-30		IP-30		IP-30	
Dimension (mm)	72(W) x 105(D) x 152(H) mm	52(W) x 106(D) x 144(H) mm	52(W) x 106(D) x 144(H) mm		26(W) x 95(D) x 144(H) mm		26(W) x 95(D) x 144(H) mm		88(W) x 102(D) x 24(H) mm	
Operating Temperature										
-10 to 60°C	-	-	-		-		-		●	-
-40 to 70°C	●	●	●		●		●		●	
Network Redundancy										
O-Ring (<10 ms recovery technology)	-	-	-		-		-		-	●
Open-Ring (Ring compatiable technology)	-	-	-		-		-		-	
O-RSTP (Optimized Rapid Spanning Tree Protocol)	-	-	-		-		-		-	
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	-	-	-		-		-		-	
Network Management and Control										
802.1X	-	-	-		-		-		-	
Rate Limit	-	-	-		-		-		-	
Port Mirror	-	-	-		-		-		-	
Port Security	-	-	-		-		-		-	
IGMP V1/V2/V3	-	-	-		-		-		-	
QoS Port Base/COS/TOS	-	-	-		-		-		-	
Port Trunk Static/LACP	-	-	-		-		-		-	
LLDP	-	-	-		-		-		-	
System Alarm	Relay	Relay	Relay		Relay		Relay		-	
DHCP	-	-	-		-		-		-	
VLAN	-	-	-		-		-		-	
Management / Configuration	-	-	-		-		-		-	
Regulatory Approvals										
CE	●	●	●		●		●		●	
FCC	●	●	●		●		●		●	
EN60950	●	●	●		●		●		●	
Warranty	5 years	5 years	5 years		5 years		5 years		5 years	

Industrial IP67/ PoE and Rackmount Switch

Model Name	Anewtech IES-2050-M12	Anewtech IPS-3082GC	Anewtech IPS-2042P	Anewtech IPS-2042TX/ 2042FX	Anewtech RES-3242GC/ 3242GC-E
Port Number					
Number of ports	5	10	6	6	26
10/100 Base-T(X) RJ45 Ports	5 (M12)	8 x PoE	4 x PoE	6 (4 x PoE)	24
1000Base-T RJ45 Ports	-	2	-	-	2
100Base-FX Fiber Ports	-	-	-	-	-
1000Base-X Fiber Ports	-	2	-	-	-
100Base-FX SFP Ports	-	-	2	-	-
1000Base-X SFP Ports	-	-	-	-	-
Gigabit Combo Ports	-	2	-	-	2
Power Redundancy					
DC Terminal Block	1 (M12)	2	2	2	-
DC Power Jack	-	-	1	1	-
AC Power Cord	-	-	-	-	1
Installation					
DIN-Rail Mounting	•	•	•	•	-
Panel Mounting	-	•	•	•	-
Rack Mounting	-	-	-	-	•
Mechanical					
Casing Protection	IP-67	IP-30	IP-30	IP-30	-
Dimension (mm)	90(W) x 40.5(D) x 155(H) mm	73(W) x 109(D) x 153(H) mm	52(W) x 106(D) x 144(H) mm	52(W) x 106(D) x 144(H) mm	444(W) x 200(D) x 44(H) mm
Operating Temperature					
-10 to 60°C	-	-	-	-	•
-40 to 70°C	•	•	•	•	-
Network Redundancy					
O-Ring (<10 ms recovery technology)	•	•	•	•	•
Open-Ring (Ring compatiable technology)	•	•	•	•	-
O-RSTP (Optimized Rapid Spanning Tree Protocol)	-	•	-	-	-
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	•	•	•	•	•
Network Management and Control					
802.1X	-	•	-	-	•
Rate Limit	-	•	-	-	•
Port Mirror	-	•	-	-	•
Port Security	-	•	-	-	•
IGMP V1/V2/V3	-	•	-	-	•
QoS Port Base/COS/TOS	-	•	-	-	•
Port Trunk Static/LACP	-	•	-	-	•
LLDP	•	•	•	•	•
System Alarm	SYSLOG / SMTP / SNMP Trap	SYSLOG / SMTP / SNMP Trap / Relay	SYSLOG / SMTP / SNMP Trap	SYSLOG / SMTP / SNMP Trap / Relay	SYSLOG / SMTP / SNMP Trap
DHCP	Client	Server / Client	Client	Client	Server / Client
VLAN	Port Base	Port Base / 802.1Q / Q-in-Q / GVRP	Port Base	Port Base	Port Base / 802.1Q / GVRP
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console	WEB / Windows Utility / SNMP v1,v2c,v3	WEB / Windows Utility / SNMP v1,v2c,v3	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console
Regulatory Approvals					
CE	•	•	•	•	•
FCC	•	•	•	•	•
EN60950	•	•	•	•	•
Warranty	5 years	5 years	5 years	5 years	2 years

Industrial Media Converter

Fiber Media Converter

Model Name	Anewtech IGMC-1011GF-MM / SS	Anewtech IGMC-1011GP	Anewtech IMC-1021FX-MM / SS
Port Number			
10/100 Base-T(X) RJ45 Ports	-	-	2
1000Base-T RJ45 Ports	1	1	-
100Base-FX Fiber Ports	-	-	1 (Multi/Single-Mode)
1000Base-X Fiber Ports	1 (Multi/Single-Mode)	1 (SFP)	
USB Port	-	-	-
RS-232 Series Port	-	-	-
RS-422/485 Series Port	-	-	-
RS-232/422/485 Series Port	-	-	-
Serial Port Feature			
Baut Rate	-	-	-
Signals	-	-	-
Power Redundancy			
DC Terminal Block	2	2	1
DC Power Jack	-	-	-
USB Bus Power	-	-	-
Installation			
DIN-Rail Mounting	●	●	●
Panel Mounting	●	●	●
Rack Mounting	-	-	-
Mechanical			
Casing IP-30 Protection	●	●	●
ABS	-	-	-
Dimension (mm)	33(W) x 95(D) x 144(H) mm	33(W) x 95(D) x 144(H) mm	64(W) x 102(D) x 25(H) mm
Operating Temperature			
-10 to 60°C	-	-	●
-10 to 70°C	-	-	-
-40 to 70°C	●	●	●
Protection			
Power Overload Current Protection	●	●	●
Power Reverse Polarity Protection	●	●	●
Isolation	-	-	-
Regulatory Approvals			
CE	●	●	●
FCC	●	●	●
EN60950	●	●	●
Warranty	5 years	5 years	5 years

Industrial Media Converter

USB to Serial Media Converter

Serial Media Converter

Model Name	Anewtech ISC-1210U-I / 1310-I		Anewtech ISC-4110U/ 8110U	Anewtech ISC-1112 / 1112-I		Anewtech ISC-1212-1
Port Number						
10/100 Base-T(X) RJ45 Ports	-		-	-		-
1000Base-T RJ45 Ports	-		-	-		-
100Base-FX Fiber Ports	-		-	-		-
1000Base-X Fiber Ports	-		-	-		-
USB Port	•		•	-		-
RS-232 Series Port	-		•	•		-
RS-422/485 Series Port	•	-	-	•		1 to 1
RS-232/422/485 Series Port	-	•	-	-		-
Serial Port Feature						
Baut Rate	300 ~ 115.2Kbps		300 ~ 921.6Kbps	300 ~ 115.2Kbps		300 ~ 115.2Kbps
Signals	RS-422 : TX+, TX-, RX+, RX-, RTS+, RTS-,CTS+, CTS-, GND RS-485 : Data+, Data-, GND	RS-232 : TX, RX, RTS, CTS, GND RS-422 : TX+, TX-, RX+, RX-, GND RS-485 : Data+, Data-, GND	RS-232 : TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND	RS-232 : TX, RX, GND RS-422 : TX+, TX-, RX+, RXRS- RS-485 : Data+, Data-, GND		RS-422 : TxD+, TxD-, RxD+, RxDRS- RS-485 : Data+, Data-, GND
Power Redundancy						
DC Terminal Block	-		•	•		•
DC Power Jack	-		•	-		-
USB Bus Power	•		•	-		-
Installation						
DIN-Rail Mounting	•		•	•		•
Panel Mounting	•		•	•		•
Rack Mounting	-		-	-		-
Mechanical						
Casing IP-30 Protection	-		•	-		-
ABS	•		-	•		•
Dimension (mm)						
Operating Temperature						
-10 to 60°C	-		-	-		-
-10 to 70°C	•		-	•		•
-40 to 70°C	-		•	-		-
Protection						
Power Overload Current Protection	-		-	-		-
Power Reverse Polarity Protection	-		-	-		-
Isolation	3000 VDC		-	-	3000 VDC	3000 VDC
Regulatory Approvals						
CE	•		•	•		•
FCC	•		•	•		•
EN60950	•		•	•		•
Warranty	5 years		5 years	5 years		5 years

USB Server

IUSB-9041 is a network-enabled USB hub. It is a powerful remote networking solution to utilize, making it easy to connect USB devices anywhere through the network, while eliminating the need for locally-attached host PC.

Model Name	Anewtech IUSB-9041	Anewtech IUSB-9041-WG
10/100Base-T(X) RJ45 Ports	•	•
USB 2.0 Ports	4	4
Antenna Connector	-	Reverse SMA
Radio Frequency Type	-	DSSS
Frequency Band	-	American / FCC : 2.412 ~ 2.462 GHZ (11 Channels) Europe CE /ETSI : 2.412 ~ 2.462 GHZ (13 Channels)
Wireless Interface	IEEE 802.11 b/g	IEEE 802.11 b/g
DC Terminal Block	2	2
DC Power Jack	1	1
DIN-Rail Mounting	•	•
Panel Mounting	•	•
Casing IP30 Protection	•	•
Dimension (mm)	26.1(W) x 94.9(D) x 144.3(H)	26.1(W) x 94.9(D) x 144.3(H)
Operating Temperature	-10 to 60°C	-10 to 60°C
Regulatory Approvals	CE,FFC, EN60950	•
Warranty	5 years	5 years

Wireless Acccess Point

Model Name	Anewtech IAP-6002-WG/WG+		Anewtech IAP-6002-WAG/WAG+		Anewtech IAP-6701-WA+	Anewtech IAP-6701-WG+
10/100 Base-T(X) LAN Ports	2		2		1	1
PoE(P.D.) Support	-	Lan Port-2	-	Lan Port-2	•	•
Ethernet switch/redundant mode support	•		•		-	-
WLAN Standard	IEEE802.11b/g Dual Mode		IEEE802.11a/b/g Tri Mode		IEEE802.11a one Mode	IEEE802.11b/g Dual Mode
Transmit Power	20 dbm		20 dbm		20 dbm	20 dbm
Transmission Rate	11b : 11Mbps 11g : 54Mpbs		11b : 11Mbps 11a/g : 54Mpbs		11a : 54Mbps	11b : 11Mbps 11g : 54Mpbs
Antenna connector	Reverse SMA		Reverse SMA		build in	build in
Antenna	2 dbi		2 dbi		12 dbi	12 dbi
DC Terminal Block	2		2		-	-
DIN-Rail Mounting	•		•		-	-
Panel Mounting	•		•		•	•
Casing IP-30 Protection	•		•		IP67	IP67
Dimension (mm)	52(W)x106(D)x144(H)		52(W)x106(D)x144(H)		196(W)x196(D)x60(H)	196(W)x196(D)x60(H)
-10 to 55°C	•		•		-	-
-20 to 70°C	-		-		•	•
Alarm Notification	Relay Output / SNMP Trap/ System Log				SNMP Trap / System Log	
Management / Configuration	WEB/Window Utility		WEB/Window Utility		WEB/Window Utility	WEB/Window Utility
CE	•		•		•	•
FCC	•		•		•	•
EN60950	•		•		•	•
Warranty	3 years		3 years		3 years	3 years