










	Managed $\mu$ -Ring Switch	
Industrial Ethernet Switches		
	IUS-3062GT/FX/GF	IUS-3080
<b>Port Number</b>		
Number of ports	8	8
10/100 Base-T(X) RJ45 Ports	6	8
1000Base-T RJ45 Ports	2	-
100Base-FX Fiber Ports	2 (Multi/Single-Mode)	-
1000Base-X Fiber Ports	2 (Multi/Single-Mode)	-
<b>Power Redundancy</b>		
DC Terminal Block	2	2
DC Power Jack	1	1
AC Power Cord	-	-
<b>Installation</b>		
DIN-Rail Mounting	•	•
Panel Mounting	•	•
Rack Mounting	-	-
<b>Mechanical</b>		
Casing IP-30 Protection	•	•
Dimension (mm)	52(W) x 106(D) x 144(H) mm	52(W) x 106(D) x 144(H) mm
<b>Operating Temperature</b>		
-10 to 60°C	-	-
-40 to 70°C	•	•
<b>Network Redundancy</b>		
$\mu$ -Ring (<1 ms recovery technology)	•	•
O-Ring (<10 ms recovery technology)	•	•
Open-Ring (Ring compatible technology)	•	•
O-RSTP (Optimized Rapid Spanning Tree Protocol)	•	•
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	•	•
<b>Network Management and Control</b>		
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	SYSLOG/SMTP/SNMP Trap/Relay
DHCP	Server/Client	Server/Client
VLAN	Port Base/ 802.1Q/GVRP	Port Base/ 802.1Q/GVRP
Management / Configuration	WEB/Open-Vision/Open-Vision Pro/SNMP V1,V2c,V3/ Telnet/Console	WEB/Open-Vision/Open-Vision Pro/SNMP V1,V2c,V3/ Telnet/Console
<b>Regulatory Approvals</b>		
CE	•	•
FCC	•	•
EN60950	•	•
Warranty	5 years	5 years








	Lite-Managed Switch		
Industrial Ethernet Switches			
	IES-2050	IES-2060	IES-2042FX
<b>Port Number</b>			
Number of ports	5	6	6
10/100 Base-T(X) RJ45 Ports	5	6	4
1000Base-T RJ45 Ports	-	-	-
100Base-FX Fiber Ports	-	-	2 (Multi-Mode/Single-Mode)
1000Base-X Fiber Ports	-	-	-
<b>Power Redundancy</b>			
DC Terminal Block	1	2	2
DC Power Jack	-	1	1
AC Power Cord	-	-	-
<b>Installation</b>			
DIN-Rail Mounting	•	•	•
Panel Mounting	•	•	•
Rack Mounting	-	-	-
<b>Mechanical</b>			
Casing IP-30 Protection	•	•	•
Dimension (mm)	88 (W) x 102 (D) x 24 (H) mm	52(W) x 106(D) x 144(H) mm	52(W) x 106(D) x 144(H) mm
<b>Operating Temperature</b>			
-10 to 60°C	-	-	-
-40 to 70°C	•	•	•
<b>Network Redundancy</b>			
µ-Ring(<1 ms recovery technology)	-	-	-
O-Ring(<10 ms recovery technology)	•	•	•
Open-Ring(Ring compatible technology)	-	-	-
O-RSTP (Optimized Rapid Spanning Tree Protocol)	-	-	-
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	•	•	•
<b>Network Management and Control</b>			
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/Relay
DHCP	Client	Client	Client
VLAN	Port Base	Port Base	Port Base
Management / Configuration	WEB/Open-Vision/Open-Vision Pro	WEB/Open-Vision/Open-Vision Pro	WEB/Open-Vision/Open-Vision Pro
<b>Regulatory Approvals</b>			
CE	•	•	•
FCC	•	•	•
EN60950	•	•	•
Warranty	5 years	5 years	5 years

Unmanaged Switch			
			
IES-1050R	IES-1050	IES-1080	IES-1062GT/FX/GF
5	5	8	8
5	5	8	6
-	-	-	2
-	-	-	2 (Multi-Mode/Single-Mode)
-	-	-	2 (Multi-Mode/Single-Mode)
1	1	2	2
-	-	1	1
-	-	-	-
•	•	•	•
•	•	•	•
-	-	-	-
•	•	•	•
88 (W) x 102 (D) x 24 (H) mm	88 (W) x 102 (D) x 24 (H) mm	52(W) x 106(D) x 144(H) mm	52(W) x 106(D) x 144(H) mm
-	•	-	-
•	•	•	•
-	-	-	-
•	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	Relay	Relay
-	-	-	-
-	-	-	-
-	-	-	-
•	•	•	•
•	•	•	•
•	•	•	•
5 years	5 years	5 years	5 years





	Unmanaged Switch	
Industrial Ethernet Switches		
	IES-1050A / IES-1080A	IES-1042FX/1041FX
<b>Port Number</b>		
Number of ports	5 / 8	6 / 5
10/100 Base-T(X) RJ45 Ports	5 / 8	4
1000Base-T RJ45 Ports	-	-
100Base-FX Fiber Ports	-	2 / 1 (Multi-Mode/Single-Mode)
1000Base-X Fiber Ports	-	-
<b>Power Redundancy</b>		
DC Terminal Block	2	2
DC Power Jack	-	-
AC Power Cord	-	-
<b>Installation</b>		
DIN-Rail Mounting	•	•
Panel Mounting	•	•
Rack Mounting	-	-
<b>Mechanical</b>		
Casing IP-30 Protection	•	•
Dimension (mm)	33 (W) x 95 (D) x 144.3 (H) mm	33 (W) x 95 (D) x 144.3 (H) mm
<b>Operating Temperature</b>		
-10 to 60°C	-	-
-40 to 70°C	•	•
<b>Network Redundancy</b>		
µ-Ring(<1 ms recovery technology)	-	-
O-Ring(<10 ms recovery technology)	-	-
Open-Ring(Ring compatible technology)	-	-
O-RSTP (Optimized Rapid Spanning Tree Protocol)	-	-
STP/RSTP (Rapid Spanning Tree Protocol) 802.1w	-	-
<b>Network Management and Control</b>		
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
DHCP	-	-
VLAN	-	-
Management / Configuration	-	-
<b>Regulatory Approvals</b>		
CE	•	•
FCC	•	•
EN60950	•	•
Warranty	5 years	5 years








	Optical Device Server		Redundant Device Server	
Industrial Device Server				
	IDS-5011F-MM	IDS-5011F-SS	IDS-5012	IDS-5042
<b>Ethernet Ports</b>				
10/100 Base-T(X) RJ45 Ports	-	-	2	2
100Base-FX Fiber Ports	1 (Multi-Mode)	1 (Single-Mode)	-	-
ETH2 Support P.O.E. / P.D.	-	-	-	-
Ethernet switch/redundant mode support	-	-	•	•
<b>Serial Ports</b>				
Serial Ports Number	1	1	1	4
Serial Port Interface	RS232/422/485	RS232/422/485	RS232/422/485	RS232/422/485
Serial Port 2KV isolation	-	-	-	-
<b>Power Redundancy</b>				
DC Terminal Block	1	1	1	2
DC Power Jack	1	1	1	-
<b>Installation</b>				
DIN-Rail Mounting	•	•	•	•
Panel Mounting	•	•	•	•
<b>Mechanical</b>				
Casing IP-30 Protection	•	•	•	•
Dimension (mm)	72(W)x125(D)x31(H) mm	72(W)x125(D)x31(H) mm	72(W)x125(D)x31(H) mm	52(W)x106(D)x144(H) mm
<b>Operating Temperature</b>				
-10 to 60°C	•	•	•	•
-10 to 55°C	-	-	-	-
<b>Network Technology</b>				
SSL Data Encryption	-	-	-	-
PPPOE / DDNS	-	-	-	-
Event Notification	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper
Multiple Link	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP
VCOM Driver	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit
<b>Network Management and Configuration</b>				
Management / Configuration	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit
<b>Regulatory Approvals</b>				
CE	•	•	•	•
FCC	•	•	•	•
EN60950	•	•	•	•
<b>Warranty</b>	5 years	5 years	5 years	5 years

Redundant Device Server		Wireless Device Server		
				
IDS-5042+	IDS-5042-I+	IDS-5011-WG	IDS-5042-WG	IDS-5042-IWG
2	2	1	2	2
-	-	-	-	-
•	•	-	-	-
•	•	-	•	•
4	4	1	4	4
RS232/422/485	RS422/485	RS232/422/485	RS232/422/485	RS422/485
-	•	-	-	•
2	2	1	2	2
-	-	1	-	-
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm	72(W)x125(D)x31(H) mm	52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm
•	•	-	-	-
-	-	•	•	•
-	-	-	-	-
-	-	-	-	-
Syslog/E-mail/SNMP Trap/Relay/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper
5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP
Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit
Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
5 years	5 years	3 years	3 years	3 years



	Optical Device Server		Redundant Device Server	
Industrial Security Device Server				
	IDS-5611F-MM	IDS-5611F-SS	IDS-5612	IDS-5642
<b>Ethernet Ports</b>				
10/100 Base-T(X) LAN Ports	-	-	2	2
100Base-FX Fiber Ports	1 (Multi-Mode)	1 (Single-Mode)	-	-
ETH2 Support P.O.E. / P.D.	-	-	-	-
Ethernet switch/redundant mode support	-	-	•	•
<b>Serial Ports</b>				
Serial Ports Number	1	1	1	4
Serial Port Interface	RS232/422/485	RS232/422/485	RS232/422/485	RS232/422/485
Serial Port 2KV isolation	-	-	-	-
<b>Power Redundancy</b>				
DC Terminal Block	1	1	1	2
DC Power Jack	1	1	1	-
<b>Installation</b>				
DIN-Rail Mounting	•	•	•	•
Panel Mounting	•	•	•	•
<b>Mechanical</b>				
Casing IP-30 Protection	•	•	•	•
Dimension (mm)	72(W)x125(D)x31(H) mm	72(W)x125(D)x31(H) mm	72(W)x125(D)x31(H) mm	52(W)x106(D)x144(H) mm
<b>Operating Temperature</b>				
-10 to 60°C	•	•	•	•
-10 to 55°C	-	-	-	-
<b>Network Technology</b>				
SSL Data Encryption	•	•	•	•
PPPOE / DDNS	•	•	•	•
Event Notification	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper
Multiple Link	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP
VCOM Driver	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit
<b>Network Management and Configuration</b>				
Management / Configuration	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control
<b>Regulatory Approvals</b>				
CE	•	•	•	•
FCC	•	•	•	•
EN60950	•	•	•	•
<b>Warranty</b>	5 years	5 years	5 years	5 years

Redundant Device Server		Wireless Device Server		
				
IDS-5642+	IDS-5642-I+	IDS-5611-WG	IDS-5642-WG	IDS-5642-IWG
2	2	1	2	2
-	-	-	-	-
•	•	-	-	-
•	•	-	•	•
4	4	1	4	4
RS232/422/485	RS422/485	RS232/422/485	RS232/422/485	RS422/485
-	•	-	-	•
2	2	1	2	2
-	-	1	-	-
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm	72(W)x125(D)x31(H) mm	52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm
•	•	-	-	-
-	-	•	•	•
•	•	•	•	•
•	•	•	•	•
Syslog/E-mail/SNMP Trap/Relay/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper	Syslog/E-mail/SNMP Trap/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper	Syslog/E-mail/SNMP Trap/Relay/Beeper
5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP	5 hosts simultaneous connection: Virtual COM/TCP Server/TCP Client/UDP
Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit	Windows NT/2000/XP/2003/VISTA 32-bit
Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control	Web HTTPS console, SSH console, DS-Tool for Windows NT/2000/XP/VISTA 32-bit/console command control
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
5 years	5 years	3 years	3 years	3 years

Industrial Access Point				
Industrial Wireless Solution			 <b>2009 NEW</b>	 <b>2009 NEW</b>
	IAP-6002-WG	IAP-6002-WG+	IAP-6002-WA	IAP-6002-WA+
<b>Ethernet Ports</b>				
10/100 Base-T(X) LAN Ports	2	2	2	2
ETH2 Support P.O.E.	-	•	-	•
Ethernet switch/redundant mode support	•	•	•	•
<b>USB Ports</b>				
USB 2.0 host	-	-	-	-
<b>WLAN Interface</b>				
WLAN Standard	IEEE802.11 b/g Dual Mode	IEEE802.11 b/g Dual Mode	IEEE802.11 a/b/g Tri Mode	IEEE802.11 a/b/g Tri Mode
Transmit Power	18 dbm	18 dbm	20 dbm	20 dbm
Transmission Rate	11b: 11Mbps 11g: 54Mbps	11b: 11Mbps 11g: 54Mbps	11b: 11Mbps 11a/g: 54Mbps	11b: 11Mbps 11a/g: 54Mbps
Antenna connector	Reverse SMA	Reverse SMA	Reverse SMA	Reverse SMA
Antenna	2 dbi	2 dbi	2 dbi	2 dbi
<b>Power Redundancy</b>				
DC Terminal Block	2	2	2	2
<b>Installation</b>				
DIN-Rail Mounting	•	•	•	•
Panel Mounting	•	•	•	•
<b>Mechanical</b>				
Casing IP-30 Protection	•	•	•	•
Dimension (mm)	52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm
<b>Operating Temperature</b>				
-10 to 55°C	•	•	•	•
<b>Network Technology</b>				
Alarm Notification	Relay Output/SNMP Trap /System Log	Relay Output/SNMP Trap /System Log	Relay Output/SNMP Trap /System Log	Relay Output/SNMP Trap /System Log
Management / Configuration	WEB/Window Utility	WEB/Window Utility	WEB/Window Utility	WEB/Window Utility
<b>Regulatory Approvals</b>				
CE	•	•	•	•
FCC	•	•	•	•
EN60950	•	•	•	•
<b>Warranty</b>	3 years	3 years	3 years	3 years

Industrial Access Point Router			
		 <b>2009 NEW</b>	 <b>2009 NEW</b>
IAR-7002-WG	IAR-7002-WG+	IAR-7002-WA	IAR-7002-WA+
2	2	2	2
-	•	-	•
•	•	•	•
1	1	1	1
IEEE802.11b/g Dual Mode	IEEE802.11b/g Dual Mode	IEEE802.11 a/b/g Tri Mode	IEEE802.11 a/b/g Tri Mode
18 dbm	18 dbm	20 dbm	20 dbm
11b: 11Mbps 11g: 54Mbps	11b: 11Mbps 11g: 54Mbps	11b: 11Mbps 11a/g: 54Mbps	11b: 11Mbps 11a/g: 54Mbps
Reverse SMA	Reverse SMA	Reverse SMA	Reverse SMA
2 dbi	2 dbi	2 dbi	2 dbi
2	2	2	2
•	•	•	•
•	•	•	•
•	•	•	•
52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm	52(W)x106(D)x144(H) mm
•	•	•	•
Relay Output/SNMP Trap /System Log	Relay Output/SNMP Trap /System Log	Relay Output/SNMP Trap /System Log	Relay Output/SNMP Trap /System Log
WEB	WEB	WEB	WEB
•	•	•	•
•	•	•	•
•	•	•	•
3 years	3 years	3 years	3 years