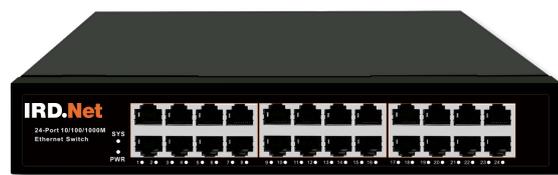


IRD-SW-24GN | Switch Não-Gerenciável de 24 Portas Gigabit de Baixo Custo, Caixa de Metal

- 24 portas Gigabit Ethernet RJ45 (10/100/1000 Mbps) com auto negociação.
- Capacidade de comutação de 48 Gbps, garantindo alta velocidade de transmissão.
- Auto MDI/MDIX em todas as portas, eliminando a necessidade de cabos cruzados.
- Modo de encaminhamento Store-and-Forward, garantindo transmissão confiável de pacotes.
- Tabela de endereços MAC com 8K entradas, otimizando a eficiência do tráfego de rede.
- Suporte a controle de fluxo IEEE 802.3x, minimizando perda de pacotes.
- Operação silenciosa, sem ventoinha, ideal para ambientes que exigem baixo ruído.
- Plug and Play, sem necessidade de configuração ou instalação de software.
- Indicadores LED para status de link, atividade e alimentação.
- Construção metálica resistente, garantindo maior durabilidade e segurança.
- Acompanha suporte para montagem em rack 19"



24 x 1Gbps

Montagem Rack

Plug-n-Play

Baixo custo

Certificações



Introdução

O **IRD-SW-24GN** é um switch não gerenciável de 24 portas Gigabit Ethernet (10/100/1000 Mbps), ideal para empresas que precisam de uma solução confiável e eficiente para redes cabeadas. Com suporte a auto negociação de velocidade e MDI/MDIX automático, ele facilita a conexão de diversos dispositivos sem necessidade de configurações adicionais. Seu design compacto e sem ventoinha garante operação silenciosa, enquanto sua carcaça metálica proporciona maior durabilidade.

Este switch é a escolha ideal para escritórios, pequenas empresas e ambientes que necessitam de uma infraestrutura de rede robusta, oferecendo alta taxa de transferência, baixa latência e plug and play, sem necessidade de configuração complexa.

Especificações Técnicas

Hardware

- Número de portas: 24 x 10/100/1000 Mbps RJ45
- Capacidade de comutação: 48 Gbps
- Modo de transferência: Store-and-Forward
- Tabela de endereços MAC: 8K entradas
- Jumbo frame: 9K
- Buffer de pacotes: 4 Mbits
- Encaminhamento de pacotes:
 - 10 Mbps: 14.880 pps/porta
 - 100 Mbps: 148.800 pps/porta
 - 1000 Mbps: 1.488.000 pps/porta
- Taxa de encaminhamento: 35,7 Mpps

Conectividade e Protocolos

- Suporte a auto negociação de velocidade (10/100/1000 Mbps)
- Suporte a auto MDI/MDIX para detecção automática de tipo de cabo
- Padrões IEEE compatíveis:
 - IEEE 802.3 (10BASE-T)
 - IEEE 802.3u (100BASE-TX)
 - IEEE 802.3ab (1000BASE-T)
 - IEEE 802.3x (Controle de fluxo)

Mídia & Distância

- 10BASE-T, UTP Categoria 3, 4 ou 5, Cobre (Par Trançado): 100 m
- 100BASE-TX, UTP Categoria 5, Cobre (Par Trançado): 100 m

- 1000BASE-T, UTP Categoria 5, 5e ou 6, Cobre (Par Trançado): 100 m

Dimensões

- 294 x 180 x 44 mm (L x P x A)

Indicadores LED

- PWR: Indica status da alimentação
- Link/Act: Indica conectividade e atividade de rede para cada porta

Alimentação e Consumo

- Entrada de energia: 100-240V AC, 50/60Hz
- Consumo máximo: <8W

Condições Ambientais

- Temperatura de operação: 0°C a 40°C
- Temperatura de armazenamento: -40°C a 70°C
- Umidade relativa: 5% a 90% (sem condensação)

Durabilidade

- MTBF: 300.000 horas
- Estrutura: Carcaça metálica resistente

Outras características

- Sem ventoinha, dissipação natural de calor

Conteúdo da Embalagem

- Switch com carcaça de metal de 24 portas gigabit
- Adaptador brasileiro 100-240VAC
- Suporte para rack 19" em aço
- Manual
- Certificado de Garantia
- Pés de borracha sob requisição, sem custo adicional

IRD.Net – Inovação em Redes Digitais

Room 303, Building 1, No.316, Renzhou Road,
Shatian Town, Dongguan City, Guangdong Province
www.junantest.com



CERTIFICATE OF CONFORMITY

No: JAT25041202137EC-1

Applicant : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
Manufacturer : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
EUT : Unmanaged/Managed Ethernet Switches
Trade Mark : IRD.Net
M/N : See model list

The submitted sample of the above equipment has been tested and found to comply with the following European Directive:

Electromagnetic Compatibility Directive 2014/30/EU

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s)	Test Report(s) Number
EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021+AC:2022-01	JAT25041202137ER-1

This certificate is part of the full test report(s) and should be read in conjunction with it. This certificate is based on an evaluation of one sample of above mentioned product. It does not imply assessment of the production of the product. Without the written approval of Dongguan Jun'an Testing & Certification Co., Ltd., this certificate is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo. The CE marking may only be used if all the relevant and effective European Directive are applicable.

CE



(Manager)
April 13, 2025

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Shatian Town, Dongguan City, Guangdong Province
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Model list:

IRD-SW-05E-PL, IRD-SW-08E-PL, IRD-SW-16E-PL, IRD-SW-24E-PL, IRD-SW-05G-PL,
IRD-SW-08G-PL, IRD-SW-16GN-PL, IRD-SW-24GN-PL, IRD-SW-24G-PL, IRD-SW-05E-MT,
IRD-SW-08E-MT, IRD-SW-16E-MT, IRD-SW-05GN, IRD-SW-08G-MT, IRD-SW-16GN,
IRD-SW-24GN, IRD-SW-N1226F, IRD-SW-N1248GN, IRD-SW-N25GS1109FP,
IRD-SWN-05GNM-PL, IRD-SW-08GNM-PL, IRD-SW-05GNM, IRD-SW-08GNM,
IRD-SW-16GNM, IRD-SW-24GNM, IRD-SW-N2210FP, IRD-SW-N2218FP, IRD-SW-N2218F,
IRD-SW-N2226FP, IRD-SW-N2226F, IRD-SW-N2428FCP, IRD-SW-N2428FC, IRD-SW-N3210FP,
IRD-SW-N3210F, IRD-SW-N3218FP, IRD-SW-N3218F, IRD-SW-N3226FP, IRD-SW-N3226F,
IRD-SW-N3428FCP, IRD-SW-N3428FC, IRD-SW-N3808FP, IRD-SW-N25GS3008F,
IRD-SW-N25GS3008FP, IRD-SW-N3412FP, IRD-SW-N3412F, IRD-SW-N3428F,
IRD-SW-N3428FP, IRD-SW-N3654F, IRD-SW-N3654FP, IRD-SW-N32028FCP,
IRD-SWI-IGS2206FP, IRD-SWI-IGS2206F, IRD-SWI-IGS2208P, IRD-SWI-IGS2208,
IRD-SWI-IGS2210FP, IRD-SWI-IGS2210F, IRD-SWI-IGS2412FP, IRD-SWI-IGS2412F,
IRD-SWI-IGS2816FP, IRD-SWI-IGS2816F, IRD-SWI-IGS3206FP, IRD-SWI-IGS3206F,
IRD-SWI-IGS3210FP, IRD-SWI-IGS3210F, IRD-SWI-IGS3412FP, IRD-SWI-IGS3412F,
IRD-SWI-IGS3816FP, IRD-SWI-IGS3816F, IRD-SWI-POE105E, IRD-SWI-POE108E,
IRD-SWI-POE104E1SC, IRD-SWI-POE105G, IRD-SWI-POE108G, IRD-SWI-POE101G01SC,
IRD-SWI-POE101G01SFP, IRD-SWI-POE104G1SC, IRD-SWI-POE104G1SFP, IRD-SWI-105E,
IRD-SWI-108E, IRD-SWI-104E1SC, IRD-SWI-105G, IRD-SWI-108G, IRD-SWI-101G01SC,
IRD-SWI-101G01SFP, IRD-SWI-104G1SC, IRD-SWI-104G1SFP, IRD-SW-HPSE4E2E,
IRD-SW-HPSE8E2E, IRD-SW-HPSE8E2G, IRD-SW-HPSE8E2G1S, IRD-SW-HPSE4G2G1S,
IRD-SW-HPSE16G2G1S, IRD-SW-AP4E2E, IRD-SW-AP8E2G, IRD-SW-AHP8G2G2S,
IRD-SW-AP16E2G1S, IRD-SW-APG16G2G1S, IRD-SW-APSE8E2G1S, IRD-SW-APSE8G2G2S,
IRD-SW-APSE16E2G1S, IRD-SW-APSE24E2G2S

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Shatian Town, Dongguan City, Guangdong Province
www.junantest.com



CERTIFICATE OF CONFORMITY

No: JAT25041202137RC-1

Applicant : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
Manufacturer : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
EUT : Unmanaged/Managed Ethernet Switches
Trade Mark : IRD.Net
M/N : See model list

The submitted sample of the above equipment has been tested and found to comply with the following European Directive:

RoHS Directive 2011/65/EU & (EU) 2015/863 & (EU) 2017/2102

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s)	Test Report(s) Number
IEC 62321-1:2013, IEC 62321-2:2013 IEC 62321-3-1:2013, IEC 62321-3-2:2020 IEC 62321-4:2013, IEC 62321-5:2013 IEC 62321-6:2015, IEC 62321-7-1: 2015 IEC 62321-7-2:2017, IEC 62321-8:2017	JAT25041202137RR-1

This certificate is part of the full test report(s) and should be read in conjunction with it. This certificate is based on an evaluation of one sample of above mentioned product. It does not imply assessment of the production of the product. Without the written approval of Dongguan Jun'an Testing & Certification Co., Ltd., this certificate is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo.

RoHS



(Manager)

April 13, 2025

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Model list:

IRD-SW-05E-PL, IRD-SW-08E-PL, IRD-SW-16E-PL, IRD-SW-24E-PL, IRD-SW-05G-PL,
IRD-SW-08G-PL, IRD-SW-16GN-PL, IRD-SW-24GN-PL, IRD-SW-24G-PL, IRD-SW-05E-MT,
IRD-SW-08E-MT, IRD-SW-16E-MT, IRD-SW-05GN, IRD-SW-08G-MT, IRD-SW-16GN,
IRD-SW-24GN, IRD-SW-N1226F, IRD-SW-N1248GN, IRD-SW-N25GS1109FP,
IRD-SWN-05GNM-PL, IRD-SW-08GNM-PL, IRD-SW-05GNM, IRD-SW-08GNM,
IRD-SW-16GNM, IRD-SW-24GNM, IRD-SW-N2210FP, IRD-SW-N2218FP, IRD-SW-N2218F,
IRD-SW-N2226FP, IRD-SW-N2226F, IRD-SW-N2428FCP, IRD-SW-N2428FC, IRD-SW-N3210FP,
IRD-SW-N3210F, IRD-SW-N3218FP, IRD-SW-N3218F, IRD-SW-N3226FP, IRD-SW-N3226F,
IRD-SW-N3428FCP, IRD-SW-N3428FC, IRD-SW-N3808FP, IRD-SW-N25GS3008F,
IRD-SW-N25GS3008FP, IRD-SW-N3412FP, IRD-SW-N3412F, IRD-SW-N3428F,
IRD-SW-N3428FP, IRD-SW-N3654F, IRD-SW-N3654FP, IRD-SW-N32028FCP,
IRD-SWI-IGS2206FP, IRD-SWI-IGS2206F, IRD-SWI-IGS2208P, IRD-SWI-IGS2208,
IRD-SWI-IGS2210FP, IRD-SWI-IGS2210F, IRD-SWI-IGS2412FP, IRD-SWI-IGS2412F,
IRD-SWI-IGS2816FP, IRD-SWI-IGS2816F, IRD-SWI-IGS3206FP, IRD-SWI-IGS3206F,
IRD-SWI-IGS3210FP, IRD-SWI-IGS3210F, IRD-SWI-IGS3412FP, IRD-SWI-IGS3412F,
IRD-SWI-IGS3816FP, IRD-SWI-IGS3816F, IRD-SWI-POE105E, IRD-SWI-POE108E,
IRD-SWI-POE104E1SC, IRD-SWI-POE105G, IRD-SWI-POE108G, IRD-SWI-POE101G01SC,
IRD-SWI-POE101G01SFP, IRD-SWI-POE104G1SC, IRD-SWI-POE104G1SFP, IRD-SWI-105E,
IRD-SWI-108E, IRD-SWI-104E1SC, IRD-SWI-105G, IRD-SWI-108G, IRD-SWI-101G01SC,
IRD-SWI-101G01SFP, IRD-SWI-104G1SC, IRD-SWI-104G1SFP, IRD-SW-HPSE4E2E,
IRD-SW-HPSE8E2E, IRD-SW-HPSE8E2G, IRD-SW-HPSE8E2G1S, IRD-SW-HPSE4G2G1S,
IRD-SW-HPSE16G2G1S, IRD-SW-AP4E2E, IRD-SW-AP8E2G, IRD-SW-AHP8G2G2S,
IRD-SW-AP16E2G1S, IRD-SW-APG16G2G1S, IRD-SW-APSE8E2G1S, IRD-SW-APSE8G2G2S,
IRD-SW-APSE16E2G1S, IRD-SW-APSE24E2G2S

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CERTIFICATE OF CONFORMITY

No: JAT25041202137SC-1

Applicant : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
Manufacturer : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
EUT : Unmanaged/Managed Ethernet Switches
Trade Mark : IRD.Net
M/N : See model list

The submitted sample of the above equipment has been tested and found to comply with the following European Directive:

Low Voltage Directive 2014/35/EU

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s)	Test Report(s) Number
EN IEC 62368-1:2020+A11:2020	JAT25041202137SR-1

This certificate is part of the full test report(s) and should be read in conjunction with it. This certificate is based on an evaluation of one sample of above mentioned product. It does not imply assessment of the production of the product. Without the written approval of Dongguan Jun'an Testing & Certification Co., Ltd., this certificate is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo. The CE marking may only be used if all the relevant and effective European Directive are applicable.



(Manager)
April 13, 2025

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Shatian Town, Dongguan City, Guangdong Province
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Model list:

IRD-SW-05E-PL, IRD-SW-08E-PL, IRD-SW-16E-PL, IRD-SW-24E-PL, IRD-SW-05G-PL,
IRD-SW-08G-PL, IRD-SW-16GN-PL, IRD-SW-24GN-PL, IRD-SW-24G-PL, IRD-SW-05E-MT,
IRD-SW-08E-MT, IRD-SW-16E-MT, IRD-SW-05GN, IRD-SW-08G-MT, IRD-SW-16GN,
IRD-SW-24GN, IRD-SW-N1226F, IRD-SW-N1248GN, IRD-SW-N25GS1109FP,
IRD-SWN-05GNM-PL, IRD-SW-08GNM-PL, IRD-SW-05GNM, IRD-SW-08GNM,
IRD-SW-16GNM, IRD-SW-24GNM, IRD-SW-N2210FP, IRD-SW-N2218FP, IRD-SW-N2218F,
IRD-SW-N2226FP, IRD-SW-N2226F, IRD-SW-N2428FCP, IRD-SW-N2428FC, IRD-SW-N3210FP,
IRD-SW-N3210F, IRD-SW-N3218FP, IRD-SW-N3218F, IRD-SW-N3226FP, IRD-SW-N3226F,
IRD-SW-N3428FCP, IRD-SW-N3428FC, IRD-SW-N3808FP, IRD-SW-N25GS3008F,
IRD-SW-N25GS3008FP, IRD-SW-N3412FP, IRD-SW-N3412F, IRD-SW-N3428F,
IRD-SW-N3428FP, IRD-SW-N3654F, IRD-SW-N3654FP, IRD-SW-N32028FCP,
IRD-SWI-IGS2206FP, IRD-SWI-IGS2206F, IRD-SWI-IGS2208P, IRD-SWI-IGS2208,
IRD-SWI-IGS2210FP, IRD-SWI-IGS2210F, IRD-SWI-IGS2412FP, IRD-SWI-IGS2412F,
IRD-SWI-IGS2816FP, IRD-SWI-IGS2816F, IRD-SWI-IGS3206FP, IRD-SWI-IGS3206F,
IRD-SWI-IGS3210FP, IRD-SWI-IGS3210F, IRD-SWI-IGS3412FP, IRD-SWI-IGS3412F,
IRD-SWI-IGS3816FP, IRD-SWI-IGS3816F, IRD-SWI-POE105E, IRD-SWI-POE108E,
IRD-SWI-POE104E1SC, IRD-SWI-POE105G, IRD-SWI-POE108G, IRD-SWI-POE101G01SC,
IRD-SWI-POE101G01SFP, IRD-SWI-POE104G1SC, IRD-SWI-POE104G1SFP, IRD-SWI-105E,
IRD-SWI-108E, IRD-SWI-104E1SC, IRD-SWI-105G, IRD-SWI-108G, IRD-SWI-101G01SC,
IRD-SWI-101G01SFP, IRD-SWI-104G1SC, IRD-SWI-104G1SFP, IRD-SW-HPSE4E2E,
IRD-SW-HPSE8E2E, IRD-SW-HPSE8E2G, IRD-SW-HPSE8E2G1S, IRD-SW-HPSE4G2G1S,
IRD-SW-HPSE16G2G1S, IRD-SW-AP4E2E, IRD-SW-AP8E2G, IRD-SW-AHP8G2G2S,
IRD-SW-AP16E2G1S, IRD-SW-APG16G2G1S, IRD-SW-APSE8E2G1S, IRD-SW-APSE8G2G2S,
IRD-SW-APSE16E2G1S, IRD-SW-APSE24E2G2S

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Shatian Town, Dongguan City, Guangdong Province
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SDoC's Compliance Information Statement

No: JAT25041202137FC-1

Applicant : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
Manufacturer : IRD Produtos de Informática Ltda
Address : RUA MARIA LOPES BORBA, 474 NAVEGANTES-SC 88370340
BRAZIL
EUT : Unmanaged/Managed Ethernet Switches
Trade Mark : IRD.Net
M/N : See model list

The submitted sample of the above equipment has been tested and found to comply with the following requirement of 47 CFR of PART 15.

The assessment of compliance of the product with the requirements relating to FCC rules was based on the following standards and procedure:

Applicable Standard(s)	Test Report(s) Number
FCC Part 15, Subpart B:2017 ANSI C63.4:2014	JAT25041202137FR-1

This verification is part of the full test report(s) and should be read in conjunction with it. This verification is based on an evaluation of one sample of above mentioned product. It does not imply assessment of the production of the product. Without the written approval of Dongguan Jun'an Testing & Certification Co., Ltd., this verification is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo.



(Manager)

April 13, 2025

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Model list:

IRD-SW-05E-PL, IRD-SW-08E-PL, IRD-SW-16E-PL, IRD-SW-24E-PL, IRD-SW-05G-PL,
IRD-SW-08G-PL, IRD-SW-16GN-PL, IRD-SW-24GN-PL, IRD-SW-24G-PL, IRD-SW-05E-MT,
IRD-SW-08E-MT, IRD-SW-16E-MT, IRD-SW-05GN, IRD-SW-08G-MT, IRD-SW-16GN,
IRD-SW-24GN, IRD-SW-N1226F, IRD-SW-N1248GN, IRD-SW-N25GS1109FP,
IRD-SWN-05GNM-PL, IRD-SW-08GNM-PL, IRD-SW-05GNM, IRD-SW-08GNM,
IRD-SW-16GNM, IRD-SW-24GNM, IRD-SW-N2210FP, IRD-SW-N2218FP, IRD-SW-N2218F,
IRD-SW-N2226FP, IRD-SW-N2226F, IRD-SW-N2428FCP, IRD-SW-N2428FC, IRD-SW-N3210FP,
IRD-SW-N3210F, IRD-SW-N3218FP, IRD-SW-N3218F, IRD-SW-N3226FP, IRD-SW-N3226F,
IRD-SW-N3428FCP, IRD-SW-N3428FC, IRD-SW-N3808FP, IRD-SW-N25GS3008F,
IRD-SW-N25GS3008FP, IRD-SW-N3412FP, IRD-SW-N3412F, IRD-SW-N3428F,
IRD-SW-N3428FP, IRD-SW-N3654F, IRD-SW-N3654FP, IRD-SW-N32028FCP,
IRD-SWI-IGS2206FP, IRD-SWI-IGS2206F, IRD-SWI-IGS2208P, IRD-SWI-IGS2208,
IRD-SWI-IGS2210FP, IRD-SWI-IGS2210F, IRD-SWI-IGS2412FP, IRD-SWI-IGS2412F,
IRD-SWI-IGS2816FP, IRD-SWI-IGS2816F, IRD-SWI-IGS3206FP, IRD-SWI-IGS3206F,
IRD-SWI-IGS3210FP, IRD-SWI-IGS3210F, IRD-SWI-IGS3412FP, IRD-SWI-IGS3412F,
IRD-SWI-IGS3816FP, IRD-SWI-IGS3816F, IRD-SWI-POE105E, IRD-SWI-POE108E,
IRD-SWI-POE104E1SC, IRD-SWI-POE105G, IRD-SWI-POE108G, IRD-SWI-POE101G01SC,
IRD-SWI-POE101G01SFP, IRD-SWI-POE104G1SC, IRD-SWI-POE104G1SFP, IRD-SWI-105E,
IRD-SWI-108E, IRD-SWI-104E1SC, IRD-SWI-105G, IRD-SWI-108G, IRD-SWI-101G01SC,
IRD-SWI-101G01SFP, IRD-SWI-104G1SC, IRD-SWI-104G1SFP, IRD-SW-HPSE4E2E,
IRD-SW-HPSE8E2E, IRD-SW-HPSE8E2G, IRD-SW-HPSE8E2G1S, IRD-SW-HPSE4G2G1S,
IRD-SW-HPSE16G2G1S, IRD-SW-AP4E2E, IRD-SW-AP8E2G, IRD-SW-AHP8G2G2S,
IRD-SW-AP16E2G1S, IRD-SW-APG16G2G1S, IRD-SW-APSE8E2G1S, IRD-SW-APSE8G2G2S,
IRD-SW-APSE16E2G1S, IRD-SW-APSE24E2G2S