

# IRD-SW-H4FE2U-P-B

Switch PoE+ Não Gerenciável com 4 Portas Fast Ethernet +  
2 Portas Uplink

## CARACTERÍSTICAS

- 4 portas 10/100 Mbps com suporte a IEEE 802.3af/at (PoE+)
- 2 portas uplink 10/100 Mbps
- Potência PoE total: até 75W (30W por porta máx.)
- Transmissão de dados e alimentação PoE em até 250 metros (modo Extend)
- Modo VLAN para isolamento de portas PoE
- Compatível com padrão IEEE 802.3, 802.3u e 802.3x
- Capacidade de comutação: 1,6 Gbps
- Suporte a controle de fluxo (Full-Duplex) e backpressure (Half-Duplex)
- Compacto, com ventilação passiva e baixo consumo
- Proteção eletromagnética (EMI/EMS) e contra surtos
- Acompanha cabo de alimentação tripolar padrão brasileiro (NBR 14136)



4 x FE PoE+

2 x FE Uplink

75W

VLAN



## INTRODUÇÃO

O IRD-SW-H4FE2U-P-B é um switch PoE+ não gerenciável com 4 portas 10/100 Mbps com suporte a alimentação via PoE (IEEE 802.3af/at) e 2 portas 100 Mbps para uplink. Ideal para aplicações compactas de videomonitoramento e redes corporativas, oferece suporte a transmissão de até 250 metros com função estendida e fornece até 30W por porta, totalizando 75W de potência PoE. Com construção robusta, suporte a VLAN por isolamento de porta, operação silenciosa (sem ventoinha), e proteção contra surtos, é uma solução eficiente e confiável para pequenos ambientes de rede.

## ESPECIFICAÇÕES TÉCNICAS

### Padrões de Rede

- IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af/at

### Portas

- 4 x 10/100 Mbps com suporte PoE+
- 2 x 10/100 Mbps uplink

### Velocidade de Encaminhamento

- 10BASE-T: 14.880 pps/porta
- 100BASE-TX: 148.800 pps/porta
- Taxa agregada: 1,19 Mpps

### Capacidade de Switching: 1,6 Gbps

### Tabela MAC: 2K entradas

### Modo de Encaminhamento: Store-and-Forward

### PoE

- Padrão: IEEE 802.3af/at
- Tensão de saída: DC 52V ± 5%
- Potência por porta: ≤ 30W
- Potência total: ≤ 75W
- Pinos de alimentação: 1/2(+), 3/6(-)
- Distância de alimentação PoE: até 250 metros

### Transmissão de Dados

- Alcance em modo padrão: até 100 metros
- Alcance em modo Extend: até 250 metros
- Cabo: UTP Cat 5 ou superior

### Fonte de Alimentação

- Entrada: AC 100~240V, 50/60Hz
- Acompanha cabo de alimentação tripolar padrão brasileiro (NBR 14136)

### Ambiente Operacional

- Temperatura de operação: -10°C a +55°C
- Temperatura de armazenamento: -40°C a +85°C
- Umidade operacional: 10% a 90% (sem condensação)
- Umidade de armazenamento: 5% a 95%
- Altitude máxima: 2000 m

### Imunidade e Segurança

- EMI: EN55032, FCC Part15 Class B
- EMS: 4KV descarga por contato, 8KV descarga por ar
- Surto (surge): 4KV modo comum, 3KV modo diferencial
- Resistência de isolamento: ≥30 MΩ @ 500V
- Rigidez dielétrica: 1500V AC / 1 minuto
- Resistência de aterramento: <0,01Ω

### Construção Mecânica

- Dimensões do produto: 230 mm × 190 mm × 70 mm
- Peso: 850g
- Montagem: sobre mesa ou em prateleira

### Resistência Mecânica

- Vibração: 10–55 Hz, 5G
- Impacto: 20G (11ms) em todos os eixos

Room 303, Building 1, No.316, Renzhou Road,  
Shatian Town, Dongguan City, Guangdong Province  
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# CERTIFICATE OF CONFORMITY

No: JAT25051502804EC-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
<b>EN 55032:2015+A11:2020</b> <b>EN 55035:2017+A11:2020</b> <b>EN IEC 61000-3-2:2019+A1:2021</b> <b>EN 61000-3-3:2013+A2:2021+AC:2022-01</b>	<b>JAT25051502804ER-1</b>

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)  
May 13, 2025

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Model list:

IRD-SW-H24G4U4S-PM2-A, IRD-SW-H24G4U4S-PM2-B, IRD-SW-H24G4U4S-PM2-C,  
IRD-SW-H16G2S-PM2-A, IRD-SW-H16G2S-PM2-B, IRD-SW-H16G2S-PM2-C, IRD-SW-H8G2S-PM2-A,  
IRD-SW-H8G2S-PM2-B, IRD-SW-H24G2U2S-PW-A, IRD-SW-H24G2U2S-PW-B,  
IRD-SW-H24G2U2S-PW-C, IRD-SW-H24G2U1S-PW-A, IRD-SW-H24G2U1S-PW-B,  
IRD-SW-H24G2U1S-PW-C, IRD-SW-H16G2U2S-PW-A, IRD-SW-H16G2U2S-PW-B,  
IRD-SW-H16G2U2S-PW-C, IRD-SW-H8G-PW-A, IRD-SW-H8G-PW-B, IRD-SW-H8G-PW-C,  
IRD-SW-H4G2U-PW-A, IRD-SW-H4G2U-PW-B, IRD-SW-H4G2U-PW-C, IRD-SW-H4G1U1S-PW-A,  
IRD-SW-H4G1U1S-PW-B, IRD-SW-H4G1U1S-PW-C, IRD-SW-H5G-W, IRD-SW-H5G1S-W,  
IRD-SW-H8G-W, IRD-SW-H16G-W, IRD-SW-H24G-W, IRD-SW-H525G210S-W, IRD-SW-H825G210S-W,  
IRD-SW-H425G210S, IRD-SW-H425G210U, IRD-SW-H525G210S, IRD-SW-H825G110S,  
IRD-SW-H825G210S, IRD-SW-H610G210S, IRD-SW-H425G2S10-P-A, IRD-SW-H425G2S10-P-B,  
IRD-SW-H825G210S-P-A, IRD-SW-H825G210S-P-B, IRD-SW-2008GP, IRD-SW-H4FE2UFE-PSB,  
IRD-SW-H8FE2UFE-PSBB, IRD-SW-H8FE2UFE-PSBC, IRD-SW-H16FE2U-PSBA,  
IRD-SW-H16FE2UFE-PSBB, IRD-SW-H24FE2U-PSMA, IRD-SW-H24FE2U-PSMB,  
IRD-SW-H4FE2UFE-PMCU, IRD-SW-H8FE2UFE-PMCU, IRD-SW-H6FE2UFE-PMCU-A,  
IRD-SW-H6FE2UFE-PMCU-B, IRD-SW-H9FE2UFE-PMCU-A, IRD-SW-H9FE2UFE-PMCU-B,  
IRD-SW-H8FE2U-PMCU-A, IRD-SW-H8FE2U-PMCU-B, IRD-SW-H16FE2U-PMCU-A,  
IRD-SW-H16FE2U-PMCU-B, IRD-SW-H24FE2U-PMCU-A, IRD-SW-H24FE2U-PMCU-B,  
IRD-SW-H4G1U-P-A, IRD-SW-H4G1U-P-B, IRD-SW-H4G1U-P-C, IRD-SW-H4G1U1S-A,  
IRD-SW-H4G1U1S-B, IRD-SW-H4G1U1S-C, IRD-SW-H8G2U-P, IRD-SW-H8G2U1S-A,  
IRD-SW-H8G2U1S-B, IRD-SW-H8G2U1S-C, IRD-SW-H8G2U2S-A, IRD-SW-H8G2U2S-B,  
IRD-SW-H8G2U2S-C, IRD-SW-H16G2U-P-A, IRD-SW-H16G2U-P-B, IRD-SW-H16G2U-P-C,  
IRD-SW-H24G2U2S-P, IRD-SW-H48G2S, IRD-SW-H4FE2U-P-A, IRD-SW-H4FE2U-P-B,  
IRD-SW-H4FE2U-P-C, IRD-SW-H8FE2UFE-P-A, IRD-SW-H8FE2UFE-P-B, IRD-SW-H8FE2UFE-P-C,  
IRD-SW-H8FE2U-P-A, IRD-SW-H8FE2U-P-B, IRD-SW-H8FE2U-P-C, IRD-SW-H8FE2U2S-P-A,  
IRD-SW-H8FE2U2S-P-B, IRD-SW-H8FE2U2S-P-C, IRD-SW-H16FE2U-P-A, IRD-SW-H16FE2U-P-B,  
IRD-SW-H16FE2U-P-C, IRD-SW-H16FE2U1S-P-A, IRD-SW-H16FE2U1S-P-B, IRD-SW-H16FE2U1S-P-C,  
IRD-SW-H24FE2U-P-A, IRD-SW-H24FE2U-P-B, IRD-SW-H24FE2U-P-C, IRD-SW-H24FE2U2S-P-A,  
IRD-SW-H24FE2U2S-P-B, IRD-SW-H24FE2U2S-P-C, IRD-SW-H4FE2UFE-WTPR,  
IRD-SW-H8FE2UFE-WTPR, IRD-SW-H8FE2U-WTPR, IRD-SW-H4G1U-WTPR, IRD-SW-H8G2U-WTPR,  
IRD-SW-1X, IRD-SW-2X, IRD-SW-3X

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# SDoC's Compliance Information Statement

No: JAT25051502804FC-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	JAT25051502804FR-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)

May 13, 2025

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Model list:

IRD-SW-H24G4U4S-PM2-A, IRD-SW-H24G4U4S-PM2-B,  
IRD-SW-H24G4U4S-PM2-C, IRD-SW-H16G2S-PM2-A, IRD-SW-H16G2S-PM2-B,  
IRD-SW-H16G2S-PM2-C, IRD-SW-H8G2S-PM2-A, IRD-SW-H8G2S-PM2-B,  
IRD-SW-H24G2U2S-PW-A, IRD-SW-H24G2U2S-PW-B, IRD-SW-H24G2U2S-PW-C,  
IRD-SW-H24G2U1S-PW-A, IRD-SW-H24G2U1S-PW-B, IRD-SW-H24G2U1S-PW-C,  
IRD-SW-H16G2U2S-PW-A, IRD-SW-H16G2U2S-PW-B, IRD-SW-H16G2U2S-PW-C,  
IRD-SW-H8G-PW-A, IRD-SW-H8G-PW-B, IRD-SW-H8G-PW-C,  
IRD-SW-H4G2U-PW-A, IRD-SW-H4G2U-PW-B, IRD-SW-H4G2U-PW-C,  
IRD-SW-H4G1U1S-PW-A, IRD-SW-H4G1U1S-PW-B, IRD-SW-H4G1U1S-PW-C,  
IRD-SW-H5G-W, IRD-SW-H5G1S-W, IRD-SW-H8G-W, IRD-SW-H16G-W,  
IRD-SW-H24G-W, IRD-SW-H525G210S-W, IRD-SW-H825G210S-W,  
IRD-SW-H425G210S, IRD-SW-H425G210U, IRD-SW-H525G210S,  
IRD-SW-H825G110S, IRD-SW-H825G210S, IRD-SW-H610G210S,  
IRD-SW-H425G2S10-P-A, IRD-SW-H425G2S10-P-B, IRD-SW-H825G210S-P-A,  
IRD-SW-H825G210S-P-B, IRD-SW-2008GP, IRD-SW-H4FE2UFE-PSB,  
IRD-SW-H8FE2UFE-PSBB, IRD-SW-H8FE2UFE-PSBC, IRD-SW-H16FE2U-PSBA,  
IRD-SW-H16FE2UFE-PSBB, IRD-SW-H24FE2U-PSMA, IRD-SW-H24FE2U-PSMB,  
IRD-SW-H4FE2UFE-PCMU, IRD-SW-H8FE2UFE-PCMU,  
IRD-SW-H6FE2UFE-PCMU-A, IRD-SW-H6FE2UFE-PCMU-B,  
IRD-SW-H9FE2UFE-PCMU-A, IRD-SW-H9FE2UFE-PCMU-B,  
IRD-SW-H8FE2U-PCMU-A, IRD-SW-H8FE2U-PCMU-B,  
IRD-SW-H16FE2U-PCMU-A, IRD-SW-H16FE2U-PCMU-B,  
IRD-SW-H24FE2U-PCMU-A, IRD-SW-H24FE2U-PCMU-B, IRD-SW-H4G1U-P-A,  
IRD-SW-H4G1U-P-B, IRD-SW-H4G1U-P-C, IRD-SW-H4G1U1S-A,  
IRD-SW-H4G1U1S-B, IRD-SW-H4G1U1S-C, IRD-SW-H8G2U-P,  
IRD-SW-H8G2U1S-A, IRD-SW-H8G2U1S-B, IRD-SW-H8G2U1S-C,  
IRD-SW-H8G2U2S-A, IRD-SW-H8G2U2S-B, IRD-SW-H8G2U2S-C,  
IRD-SW-H16G2U-P-A, IRD-SW-H16G2U-P-B, IRD-SW-H16G2U-P-C,  
IRD-SW-H24G2U2S-P, IRD-SW-H48G2S, IRD-SW-H4FE2U-P-A,  
IRD-SW-H4FE2U-P-B, IRD-SW-H4FE2U-P-C, IRD-SW-H8FE2UFE-P-A,  
IRD-SW-H8FE2UFE-P-B, IRD-SW-H8FE2UFE-P-C, IRD-SW-H8FE2U-P-A,  
IRD-SW-H8FE2U-P-B, IRD-SW-H8FE2U-P-C, IRD-SW-H8FE2U2S-P-A,  
IRD-SW-H8FE2U2S-P-B, IRD-SW-H8FE2U2S-P-C, IRD-SW-H16FE2U-P-A,  
IRD-SW-H16FE2U-P-B, IRD-SW-H16FE2U-P-C, IRD-SW-H16FE2U1S-P-A,  
IRD-SW-H16FE2U1S-P-B, IRD-SW-H16FE2U1S-P-C, IRD-SW-H24FE2U-P-A,  
IRD-SW-H24FE2U-P-B, IRD-SW-H24FE2U-P-C, IRD-SW-H24FE2U2S-P-A,  
IRD-SW-H24FE2U2S-P-B, IRD-SW-H24FE2U2S-P-C, IRD-SW-H4FE2UFE-WTPR,  
IRD-SW-H8FE2UFE-WTPR, IRD-SW-H8FE2U-WTPR, IRD-SW-H4G1U-WTPR,  
IRD-SW-H8G2U-WTPR, IRD-SW-1X, IRD-SW-2X, IRD-SW-3X

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# CERTIFICATE OF CONFORMITY

No: JAT25051502804RC-1

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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
<b>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</b>	<b>JAT25051502804RR-1</b>

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# RoHS



(Manager)

May 13, 2025

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Model list:

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IRD-SW-H16G2S-PM2-C, IRD-SW-H8G2S-PM2-A, IRD-SW-H8G2S-PM2-B,  
IRD-SW-H24G2U2S-PW-A, IRD-SW-H24G2U2S-PW-B, IRD-SW-H24G2U2S-PW-C,  
IRD-SW-H24G2U1S-PW-A, IRD-SW-H24G2U1S-PW-B, IRD-SW-H24G2U1S-PW-C,  
IRD-SW-H16G2U2S-PW-A, IRD-SW-H16G2U2S-PW-B, IRD-SW-H16G2U2S-PW-C,  
IRD-SW-H8G-PW-A, IRD-SW-H8G-PW-B, IRD-SW-H8G-PW-C,  
IRD-SW-H4G2U-PW-A, IRD-SW-H4G2U-PW-B, IRD-SW-H4G2U-PW-C,  
IRD-SW-H4G1U1S-PW-A, IRD-SW-H4G1U1S-PW-B, IRD-SW-H4G1U1S-PW-C,  
IRD-SW-H5G-W, IRD-SW-H5G1S-W, IRD-SW-H8G-W, IRD-SW-H16G-W,  
IRD-SW-H24G-W, IRD-SW-H525G210S-W, IRD-SW-H825G210S-W,  
IRD-SW-H425G210S, IRD-SW-H425G210U, IRD-SW-H525G210S,  
IRD-SW-H825G110S, IRD-SW-H825G210S, IRD-SW-H610G210S,  
IRD-SW-H425G2S10-P-A, IRD-SW-H425G2S10-P-B, IRD-SW-H825G210S-P-A,  
IRD-SW-H825G210S-P-B, IRD-SW-2008GP, IRD-SW-H4FE2UFE-PSB,  
IRD-SW-H8FE2UFE-PSBB, IRD-SW-H8FE2UFE-PSBC, IRD-SW-H16FE2U-PSBA,  
IRD-SW-H16FE2UFE-PSBB, IRD-SW-H24FE2U-PSMA, IRD-SW-H24FE2U-PSMB,  
IRD-SW-H4FE2UFE-PCMU, IRD-SW-H8FE2UFE-PCMU,  
IRD-SW-H6FE2UFE-PCMU-A, IRD-SW-H6FE2UFE-PCMU-B,  
IRD-SW-H9FE2UFE-PCMU-A, IRD-SW-H9FE2UFE-PCMU-B,  
IRD-SW-H8FE2U-PCMU-A, IRD-SW-H8FE2U-PCMU-B,  
IRD-SW-H16FE2U-PCMU-A, IRD-SW-H16FE2U-PCMU-B,  
IRD-SW-H24FE2U-PCMU-A, IRD-SW-H24FE2U-PCMU-B, IRD-SW-H4G1U-P-A,  
IRD-SW-H4G1U-P-B, IRD-SW-H4G1U-P-C, IRD-SW-H4G1U1S-A,  
IRD-SW-H4G1U1S-B, IRD-SW-H4G1U1S-C, IRD-SW-H8G2U-P,  
IRD-SW-H8G2U1S-A, IRD-SW-H8G2U1S-B, IRD-SW-H8G2U1S-C,  
IRD-SW-H8G2U2S-A, IRD-SW-H8G2U2S-B, IRD-SW-H8G2U2S-C,  
IRD-SW-H16G2U-P-A, IRD-SW-H16G2U-P-B, IRD-SW-H16G2U-P-C,  
IRD-SW-H24G2U2S-P, IRD-SW-H48G2S, IRD-SW-H4FE2U-P-A,  
IRD-SW-H4FE2U-P-B, IRD-SW-H4FE2U-P-C, IRD-SW-H8FE2UFE-P-A,  
IRD-SW-H8FE2UFE-P-B, IRD-SW-H8FE2UFE-P-C, IRD-SW-H8FE2U-P-A,  
IRD-SW-H8FE2U-P-B, IRD-SW-H8FE2U-P-C, IRD-SW-H8FE2U2S-P-A,  
IRD-SW-H8FE2U2S-P-B, IRD-SW-H8FE2U2S-P-C, IRD-SW-H16FE2U-P-A,  
IRD-SW-H16FE2U-P-B, IRD-SW-H16FE2U-P-C, IRD-SW-H16FE2U1S-P-A,  
IRD-SW-H16FE2U1S-P-B, IRD-SW-H16FE2U1S-P-C, IRD-SW-H24FE2U-P-A,  
IRD-SW-H24FE2U-P-B, IRD-SW-H24FE2U-P-C, IRD-SW-H24FE2U2S-P-A,  
IRD-SW-H24FE2U2S-P-B, IRD-SW-H24FE2U2S-P-C, IRD-SW-H4FE2UFE-WTPR,  
IRD-SW-H8FE2UFE-WTPR, IRD-SW-H8FE2U-WTPR, IRD-SW-H4G1U-WTPR,  
IRD-SW-H8G2U-WTPR, IRD-SW-1X, IRD-SW-2X, IRD-SW-3X

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# CERTIFICATE OF CONFORMITY

No: JAT25051502804SC-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	JAT25051502804SR-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)  
May 13, 2025

Room 303, Building 1, No.316, Renzhou Road,  
Shatian Town, Dongguan City, Guangdong Province  
[www.junantest.com](http://www.junantest.com)



Model list:

IRD-SW-H24G4U4S-PM2-A, IRD-SW-H24G4U4S-PM2-B, IRD-SW-H24G4U4S-PM2-C,  
IRD-SW-H16G2S-PM2-A, IRD-SW-H16G2S-PM2-B, IRD-SW-H16G2S-PM2-C,  
IRD-SW-H8G2S-PM2-A, IRD-SW-H8G2S-PM2-B, IRD-SW-H24G2U2S-PW-A,  
IRD-SW-H24G2U2S-PW-B, IRD-SW-H24G2U2S-PW-C, IRD-SW-H24G2U1S-PW-A,  
IRD-SW-H24G2U1S-PW-B, IRD-SW-H24G2U1S-PW-C, IRD-SW-H16G2U2S-PW-A,  
IRD-SW-H16G2U2S-PW-B, IRD-SW-H16G2U2S-PW-C, IRD-SW-H8G-PW-A,  
IRD-SW-H8G-PW-B, IRD-SW-H8G-PW-C, IRD-SW-H4G2U-PW-A, IRD-SW-H4G2U-PW-B,  
IRD-SW-H4G2U-PW-C, IRD-SW-H4G1U1S-PW-A, IRD-SW-H4G1U1S-PW-B,  
IRD-SW-H4G1U1S-PW-C, IRD-SW-H5G-W, IRD-SW-H5G1S-W, IRD-SW-H8G-W,  
IRD-SW-H16G-W, IRD-SW-H24G-W, IRD-SW-H525G210S-W, IRD-SW-H825G210S-W,  
IRD-SW-H425G210S, IRD-SW-H425G210U, IRD-SW-H525G210S, IRD-SW-H825G110S,  
IRD-SW-H825G210S, IRD-SW-H610G210S, IRD-SW-H425G2S10-P-A,  
IRD-SW-H425G2S10-P-B, IRD-SW-H825G210S-P-A, IRD-SW-H825G210S-P-B,  
IRD-SW-2008GP, IRD-SW-H4FE2UFE-PSB, IRD-SW-H8FE2UFE-PSBB,  
IRD-SW-H8FE2UFE-PSBC, IRD-SW-H16FE2U-PSBA, IRD-SW-H16FE2UFE-PSBB,  
IRD-SW-H24FE2U-PSMA, IRD-SW-H24FE2U-PSMB, IRD-SW-H4FE2UFE-PMCU,  
IRD-SW-H8FE2UFE-PMCU, IRD-SW-H6FE2UFE-PMCU-A, IRD-SW-H6FE2UFE-PMCU-B,  
IRD-SW-H9FE2UFE-PMCU-A, IRD-SW-H9FE2UFE-PMCU-B, IRD-SW-H8FE2U-PMCU-A,  
IRD-SW-H8FE2U-PMCU-B, IRD-SW-H16FE2U-PMCU-A, IRD-SW-H16FE2U-PMCU-B,  
IRD-SW-H24FE2U-PMCU-A, IRD-SW-H24FE2U-PMCU-B, IRD-SW-H4G1U-P-A,  
IRD-SW-H4G1U-P-B, IRD-SW-H4G1U-P-C, IRD-SW-H4G1U1S-A, IRD-SW-H4G1U1S-B,  
IRD-SW-H4G1U1S-C, IRD-SW-H8G2U-P, IRD-SW-H8G2U1S-A, IRD-SW-H8G2U1S-B,  
IRD-SW-H8G2U1S-C, IRD-SW-H8G2U2S-A, IRD-SW-H8G2U2S-B, IRD-SW-H8G2U2S-C,  
IRD-SW-H16G2U-P-A, IRD-SW-H16G2U-P-B, IRD-SW-H16G2U-P-C, IRD-SW-H24G2U2S-P,  
IRD-SW-H48G2S, IRD-SW-H4FE2U-P-A, IRD-SW-H4FE2U-P-B, IRD-SW-H4FE2U-P-C,  
IRD-SW-H8FE2UFE-P-A, IRD-SW-H8FE2UFE-P-B, IRD-SW-H8FE2UFE-P-C,  
IRD-SW-H8FE2U-P-A, IRD-SW-H8FE2U-P-B, IRD-SW-H8FE2U-P-C,  
IRD-SW-H8FE2U2S-P-A, IRD-SW-H8FE2U2S-P-B, IRD-SW-H8FE2U2S-P-C,  
IRD-SW-H16FE2U-P-A, IRD-SW-H16FE2U-P-B, IRD-SW-H16FE2U-P-C,  
IRD-SW-H16FE2U1S-P-A, IRD-SW-H16FE2U1S-P-B, IRD-SW-H16FE2U1S-P-C,  
IRD-SW-H24FE2U-P-A, IRD-SW-H24FE2U-P-B, IRD-SW-H24FE2U-P-C,  
IRD-SW-H24FE2U2S-P-A, IRD-SW-H24FE2U2S-P-B, IRD-SW-H24FE2U2S-P-C,  
IRD-SW-H4FE2UFE-WTPR, IRD-SW-H8FE2UFE-WTPR, IRD-SW-H8FE2U-WTPR,  
IRD-SW-H4G1U-WTPR, IRD-SW-H8G2U-WTPR, IRD-SW-1X, IRD-SW-2X, IRD-SW-3X