IRD-SW-24GNM | Switch Gerenciável por Web com 24 Portas Gigabit

- 24 portas RJ45 10/100/1000 Mbps com detecção automática de velocidade.
- Capacidade de comutação de 48Gbps
- Suporte a VLAN 802.1Q, VLAN MTU e VLAN por porta.
- Funções de QoS, controle de largura de banda e supressão de broadcast (storm control).
- Espelhamento e monitoramento de portas.
- Detecção de cabos e proteção contra loop.
- Gerenciamento via Web e software para PC.
- Arquitetura Store-and-Forward para desempenho confiável.
- Painel metálico compacto com LEDs indicadores de status.
- Suporte a MDI/MDI-X automático.
- Plug-and-play, com baixo consumo de energia.
- Acompanha suporte para montagem em rack 19"

24 x 1Gbps | **Montagem Rack**

Plug-n-Play | **Gerenciavel**

CE FC RoHS COMPLIANT

Introdução

O **IRD-SW-24GNM** é um switch Gigabit gerenciável via Web, desenvolvido para atender ambientes corporativos, redes de campus e setores de hospitalidade que exigem desempenho elevado, confiabilidade e recursos de gerenciamento avançado. Equipado com 24 portas RJ45 10/100/1000 Mbps, o equipamento oferece alta taxa de transmissão, suporte a VLAN 802.1Q, QoS, espelhamento de portas e muito mais.

Sua operação simples com funcionalidades plug-and-play permite fácil instalação, mesmo em redes que não possuem equipe técnica dedicada. Com suporte a auto negociação, MDI/MDI-X automático e gerenciamento por interface web, o **IRD-SW-24GNM** é ideal para administradores que precisam de flexibilidade sem abrir mão da performance.

Especificações Técnicas

Hardware
- 24 x portas RJ45 10/100/1000Base-T
- Tipo de porta: Auto-sensing, Full/Half Duplex, MDI/MDI-X automático

Desempenho
- Capacidade de comutação: 48 Gbps
- Taxa de encaminhamento:
  - 10 Mbps: 14.880 pps por porta
  - 100 Mbps: 148.800 pps por porta
  - 1000 Mbps: 1.488.000 pps por porta
- Tabela de endereços MAC: 8K entradas
- Buffer de pacotes: 4 Mbits
- Atraso de comutação: <10 µs
- Modo de encaminhamento: Store-and-Forward

Gerenciamento e Recursos
- Gerenciamento via Web GUI
- VLAN 802.1Q, VLAN MTU, VLAN por porta
- Suporta até 128 VLANs simultâneas (4K VLAN IDs)
- QoS com base em porta, 802.1p e DSCP
- Espelhamento de portas (Port Mirroring)
- Controle de largura de banda
- Storm Control
- IGMP Snooping (ativação e dump de entradas)
- Jumbo Frame
- Green Ethernet (eficiência energética - EEE)
- DHCP Snooping
- Detecção e proteção contra loop
- Diagnóstico de cabo
- STP com configuração e status por porta
- Backup/restauração de configuração
- Reset, reboot e upgrade de firmware via Web *(lifetime)*

Protocolos e Padrões IEEE
- IEEE 802.3 (10BASE-T)
- IEEE 802.3i (10BASE-T)
- IEEE 802.3u (100BASE-TX)
- IEEE 802.3ab (1000BASE-T)
- IEEE 802.3z (1000BASE-X)
- IEEE 802.3x (Controle de Fluxo)
- IEEE 802.1Q (VLAN Tagging)
- IEEE 802.1p (QoS)

Cabo Suportado
- 10BASE-T: Cat3, Cat4, Cat5 UTP (até 100 metros)
- 100BASE-TX: Cat5 ou superior (até 100 metros)
- 1000BASE-T: Cat5e, Cat6 ou superior (até 100 metros)

LEDs Indicadores
- PWR (Alimentação)
- Link/Act (Link e Atividade)

Alimentação
- Entrada: AC 100-240V ~ 50/60Hz (cabo incluso)
- Consumo: <8W

Ambiente
- Temperatura de operação: 0°C a 40°C
- Temperatura de armazenamento: -40°C a 70°C
- Umidade relativa: 5% a 90% (sem condensação)
- MTBF: 300.000 horas

Construção
- Gabinete metálico compacto
- Montável em rack 19" com suportes inclusos

Certificações
- CE EMC, CE LVD, FCC, RoHS e Anatel

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.

Dongguan Jun'an Testing & Certification Co., Ltd.
APPROVED

.....
(Manager)
April 13, 2025

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

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.

Dongguan Jun'an Testing & Certification Co., Ltd.
APPROVED

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(Manager)
April 13, 2025

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

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: 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**

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RoHS

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(Manager)
April 13, 2025

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Model list:

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www.junantest.com

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.

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APPROVED

.....
(Manager)
April 13, 2025

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

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