

IRD-SW-N3428FCP | Switch Gerenciável L2 PoE 24 Portas Gigabit + 4 SFP Combo

- 24 portas PoE+ Gigabit com suporte a IEEE 802.3af/at.
- 4 portas Gigabit Combo (RJ45/SFP).
- Potência total PoE de 450W, até 30W por porta.
- Capacidade de comutação de 56 Gbps.
- Taxa de encaminhamento de 41,67 Mpps.
- Tabela de endereços MAC com 8K entradas.
- Diagnóstico por teste de cabo e espelhamento de porta.
- Suporte a QoS com 8 filas por porta.
- Gerenciamento via Web GUI, CLI (console, Telnet, SSH), SNMP v1/v2c/v3.
- Suporte a VLANs 802.1Q, Port-based, MAC-based, Voice VLAN, QinQ, Surveillance VLAN.
- Recursos L2: STP/RSTP/MSTP, LACP, ERPS, Port Isolation, DHCP Snooping, IGMP/MLD Snooping.
- Roteamento estático IPv4/IPv6, ARP Estático.
- Proteções de segurança: 802.1X, DoS Prevention, IP Source Guard, Storm Control, Radius, TACACS+.
- PoE Watch Dog para monitoramento de funcionamento das portas PoE.
- Chassi metálico padrão 19" com fonte interna.


24xGE
PoE+ 450W
4 x SFP
4 x Uplink


Introdução

O **IRD-SW-N3428FCP** é um switch gerenciável L2+ de alto desempenho, desenvolvido para atender às necessidades de redes corporativas de pequeno a médio porte. Com 24 portas Gigabit PoE+ e 4 portas Gigabit Combo (RJ45/SFP), o equipamento oferece capacidade de comutação robusta e flexibilidade para diversos cenários de rede. Com um orçamento PoE de 450W, suporta a alimentação de múltiplos dispositivos IP como câmeras, telefones VoIP e pontos de acesso, facilitando implantações simplificadas e eficientes.

Projetado com foco em segurança, gerenciamento e desempenho, o **IRD-SW-N3428FCP** incorpora recursos avançados como VLANs baseadas em protocolo, segurança de porta, QoS granular e protocolos de roteamento estático IPv4/IPv6. Ideal para ambientes que exigem estabilidade, escalabilidade e controle detalhado da rede, é uma solução confiável para infraestruturas críticas.

Especificações Técnicas

Hardware

- Chipset: RTL8382M + RTL8218B2 + RTL8214FC + TPS238616
- Portas:
 - 24 x 10/100/1000 Mbps RJ45 com PoE+
 - 4 x portas Combo Gigabit (RJ45/SFP)
 - 1 x Console RJ45
- Tipo de cabo suportado:
 - 10Base-T: UTP Cat 3, 4, 5 (máx. 100m)
 - 100Base-TX: UTP Cat 5, 5e (máx. 100m)
 - 1000Base-T: UTP Cat 5e, 6 (máx. 100m)
 - 1000Base-X: Multimodo e Monomodo
- Método de transferência: Store-and-Forward
- Capacidade de comutação: 56 Gbps
- Taxa de encaminhamento: 41,67 Mpps
- Tabela MAC: 8.000 entradas
- Buffer de pacotes: 4,1 Mbit
- Jumbo Frame: até 12 KB
- Padrões IEEE suportados: IEEE 802.3i/u/ab/z/x/at/af/az

PoE

- Padrões PoE: IEEE 802.3af/at
- Potência total: 450W
- Potência máxima por porta: 30W
- Alimentação PoE nos pinos: 1/2 (+), 3/6 (-)

Consumo e Alimentação

- Fonte interna: 100~240VAC, 50/60Hz
- Consumo máximo com PoE ligado: 450W

Dimensões e Ambiente

- Dimensões: 440 x 290 x 44,5 mm
- Temperatura de operação: 0°C a 45°C
- Temperatura de armazenamento: -40°C a 70°C
- Umidade operacional: 10% a 90% (sem condensação)

Certificações

- CE EMC, CE LVD, FCC e RoHS

IRD-SW-N3428FCP | Switch Gerenciável L2 PoE 24 Portas Gigabit + 4 SFP Combo

Software e Funcionalidades de Gerenciamento

Camada 2 (L2)

- STP (802.1D), RSTP (802.1w), MSTP (802.1s)
- Auto Edge Port, BPDU Filtering, BPDU Guard
- ERPS (Ethernet Ring Protection Switching)
- LACP (IEEE 802.3ad), Agregação Estática (8 grupos, até 8 portas)
- Espelhamento de porta (4 sessões simultâneas)
- QoS com 8 filas por porta, WRR, WFQ, SP, híbrido
- Jumbo Frame até 10 KB para controle de fluxo

VLAN

- Suporte a 256 VLANs ativas
- Port-based, 802.1Q, Protocol-based (8 grupos), MAC-based (256), Voice VLAN
- QinQ (IEEE 802.1ad), GVRP, Surveillance VLAN

Multicast

- IGMP Snooping v1/v2/v3
- MLD Snooping v1/v2
- Multicast VLAN Registration (MVR)
- Grupos multicast: até 256

Segurança

- Autenticação 802.1X, Radius, TACACS+
- IP Source Guard, DHCP Snooping, ARP Inspection
- DoS Defense, ACLs L2/L3/L4 (1024 regras)
- Controle de tempestade (storm control)
- Isolamento de portas, proteção contra loop, MAC Black Hole
- PoE Watch Dog, Dynamic VLAN, Protected Port

Gerenciamento

- Acesso via Web GUI, CLI (Console, Telnet, SSH v1/v2)
- SNMP v1/v2c/v3, Syslog, RMON (32 entradas por tipo)
- Gerenciamento de tempo (SNTP), DHCP, DNS
- Configuração por TFTP, HTTP, UART
- Upload/Backup de firmware e configurações
- Suporte a múltiplas imagens de firmware e múltiplas configurações
- EEE (Eficiência Energética – 802.3az)

IPv6

- Suporte completo a IPv6 para gerenciamento
- Autoconfiguração, ND, DAD, ICMPv6, DHCPv6
- Aplicações compatíveis: HTTP, HTTPS, TELNET, SSH, SNMP, TFTP, Syslog, PING

Diagnóstico

- Teste de cabo, Status de módulo SFP, Utilização de CPU/porta/memória
- Traceroute, Ping, UDL, Syslog local/remoto

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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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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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.



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IRD-SW-24GN, IRD-SW-N1226F, IRD-SW-N1248GN, IRD-SW-N25GS1109FP,
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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

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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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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,
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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,
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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

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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

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IRD-SW-08E-MT, IRD-SW-16E-MT, IRD-SW-05GN, IRD-SW-08G-MT, IRD-SW-16GN,
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IRD-SW-N3428FP, IRD-SW-N3654F, IRD-SW-N3654FP, IRD-SW-N32028FCP,
IRD-SWI-IGS2206FP, IRD-SWI-IGS2206F, IRD-SWI-IGS2208P, IRD-SWI-IGS2208,
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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