



Dell Networking S3100 series

High-performance managed Ethernet switches designed for non-blocking access

The S3100 switch series offers a power-efficient and resilient Gigabit Ethernet (GbE) switching solution with integrated 10GbE uplinks for advanced Layer 3 distribution for offices and campus networks. The S3100 switch series has high-performance capabilities and wire-speed performance utilizing a non-blocking architecture to easily handle unexpected traffic loads. Use dual internal hot-swappable 80PLUS-certified power supplies for high availability and power efficiency. The switches offer simple management and scalability via an 84Gbps (full-duplex) high-availability stacking architecture that allows management of up to 12 switches from a single IP address.

Modernize campus network architectures

Modernize campus network architectures with a power-efficient and resilient 1/10GbE switching solution with dense Power over Ethernet Plus (PoE+). Select S3100 models offer 24 or 48 ports of PoE+ to deliver clean power to network devices such as wireless access points (APs), Voice-over-IP (VoIP) handsets, video conferencing systems and security cameras. For greater interoperability in multivendor networks, S3100 series switches offer the latest open-standard protocols and include technology to interface with Cisco protocol PVST+. The S3100 series supports Dell Networking OS9, VLT and network virtualization features such as VRF-lite and support for Dell Embedded Open Automation Framework.

Leverage familiar tools and practices

All S3100 switches include Dell Networking OS9 for easier deployment and greater interoperability. One common command line interface (CLI) using a well-known command language means a faster learning curve for network administrators.

Deploy with confidence at any scale

S3100 series switches help create performance assurance with a data rate up to 260Gbps (full duplex) and a forwarding rate up to 193Mpps. Scale easily with built-in rear stacking ports. Switch stacks of up to 624 ports can be managed from a single screen using the highly-available stacking architecture for high-density aggregation with seamless redundant availability.

Hardware, performance and efficiency

- Up to 48 line-rate GbE ports of copper or 24 line-rate ports of fiber, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports
- Up to 48 ports of PoE+ in 1RU without an external power supply
- Hot swappable expansion module supporting dual-port SFP+ or dual-port 10GBaseT
- Integrated stacking ports with support up to 84Gbps
- Up to 624 ports in a 12-unit stack for high-density, high-availability aggregation and distribution in wiring closets/ MDFs. Non-stop forwarding and fast failover in stack configurations
- Available with dual 80PLUS-certified hot swappable power supplies. Variable speed fan operation helps decrease cooling and power costs

- Energy-Efficient Ethernet and lower-power PHYs reduce power to inactive ports and idle links, providing energy savings from the power cord to the port
- Dell Fresh Air compliance for operation in environments up to 113°F (45°C) helps reduce cooling costs in temperature constrained deployments

Deploying, configuring and managing

- Tool-less ReadyRails™ significantly reduces rack installation time
- Management via an intuitive and familiar CLI, SNMP-based management console application (including Dell Open-Manage Network Manager), Telnet or serial connection
- Private VLAN support
- AAA authorization, TACACS+ accounting and RADIUS support for comprehensive secure access
- Authentication tiering allows network administrators to tier port authentication methods such as 802.1x, MAC Authentication Bypass in priority order so that a single port can provide flexible access and security
- Achieve high availability and full bandwidth utilization with VLT and support firmware upgrades without taking the network offline
- Interfaces with PVST+ protocol for greater flexibility and interoperability in Cisco networks
- Advanced Layer 3 IPv4 and IPv6 functionality
- Flexible routing options with policy-based routing to route packets based on assigned criteria beyond destination address
- Routed Port Monitoring (RPM) covers a Layer 3 domain without costly dedicated network taps
- OpenFlow 1.3 provides the ability to separate the control plane from the forwarding plane for deployment in SDN environments

Get more starting on day one

Trust Dell experts to lead deployments from planning and basic hardware installations to configuration and complex integrations. The Dell ProDeploy Enterprise Suite saves you time, reduces the cost of implementing new technology, and offers you confidence that your new systems will be easy to maintain.

Learn more at Dell.com/ProDeploy.

1GbE switches utilizing a comprehensive enterprise-class Layer 2 and 3 advanced feature set in Dell Networking OS9

Specifications: Dell Networking S3100 series

Ordering information

S3124: 24x RJ45 10/100/1000Mb auto-sensing ports, 2x SFP+ ports, 2x GbE combo media ports, 1x hot swap expansion module bay, 1x 200W PSU included

S3124F: 24x 1000-SX (up to 500m distance) or 1000-LX (up to 10km distance) SFP GbE ports, 2x SFP+ ports, 2x GbE combo media ports, 1x hot swap expansion module bay, 1x 200W PSU included

S3124P: 24x RJ45 10/100/1000Mb PoE+ (up to 30.8W) auto-sensing ports, 2x SFP+ ports, 2x GbE combo media ports, 1x hot swap expansion module bay, 1x 715W PSU included

S3148: 48x RJ45 10/100/1000Mb auto-sensing ports, 2x SFP+ ports, 2x GbE combo media ports, 1x hot swap expansion module bay, 1x 200W PSU included

S3148P: 48x RJ45 10/100/1000Mb PoE+ (up to 30.8W) auto-sensing ports, 2x SFP+ ports, 2x GbE combo media ports, 1x hot swap expansion module bay, 1x 1100W PSU included*

Power cords
C13 to NEMA 5-15, 3M; C13 to C14, 2M; C15 to NEMA 5-15, 2M (C15 for PoE S-Series only)

Modules (optional)
2-port 10GBASE-T RJ-45 hot swappable uplink module
2-port 10GbE SFP+ hot swappable uplink module

Power supplies (optional)
200W AC hot swappable with V-Lock, adds redundancy to non-PoE switches (S3124, S3124F and S3148 only)
715W AC hot swappable, adds redundancy to S3124P (S3124P only)
1100W AC hot swappable, adds redundancy to S3148P or upgrade S3124P for additional PoE+ power (S3124P and S3148P only)

Optics (optional)
Transceiver, SFP, 100BASE-FX, 1310nm wavelength, up to 2km reach
Transceiver, SFP, 1000BASE-T
Transceiver, SFP, 1000BASE-SX, 850nm wavelength, up to 550m reach
Transceiver, SFP, 1000BASE-LX, 1310nm wavelength, up to 10km reach
Transceiver, SFP, 1000BASE-ZX, 1550nm wavelength, up to 80km reach
Transceiver, SFP+, 10GbE, LRM, 1310nm wavelength, up to 220m reach
Transceiver, SFP+, 10GbE, SR, 850nm wavelength, up to 300m reach
Transceiver, SFP+, 10GbE, LR, 1310nm wavelength, up to 10km reach
Transceiver, SFP+, 10GbE, ER, 1550nm wavelength, up to 40km reach

Cables (optional)
Stacking cable 0.25m, 1m and 3m
Dell Networking cable, SFP+ to SFP+, 10GbE, copper twinax direct attach cable, 0.5m, 1m, 3m, 5m and 7m
*Requires C15 plug

Physical

2 rear stacking ports (21Gbps) supporting up to 84Gbps (full-duplex)

2 integrated front 10GbE SFP+ dedicated ports
Out-of-band management port (10/100/1000BASE-T)
USB (Type A) port for configuration via USB flash drive
Auto-negotiation for speed and flow control
Auto-MDI/MDIX, port mirroring
Energy-Efficient Ethernet per port settings
Redundant variable speed fans
Air flow: I/O to power supply
RJ45 console/management port with RS232 signaling (RJ-45 to female DB-9 connector cable included)
Dual firmware images on-board
Switching engine model: Store and forward

Chassis
Size (1RU): 1.7126in x 17.0866in x 16.0236in (43.5mm x 434.0mm x 407.0mm) (H x W x D)
Approximate weight: 13.2277lbs/6kg (S3124 and S3124F), 14.5505lbs/6.6kg (S3124P), 15.2119lbs/6.9kg (S3148P)
ReadyRails rack mounting system, no tools required

Environmental
Power supply: 200W (S3124, S3124F and S3148), 715W or 1,100W (S3124P), 1,100W (S3148P)
Power supply efficiency: 80% or better in all operating modes
Max. thermal output (BTU/hr): 182.55 (S3124), 228.96 (S3124F), 4391.42 (S3124P), 221.11 (S3148), 7319.04 (S3148P)
Power consumption max (watts): 52.8 (S3124), 67.1 (S3124F), 1,287 (S3124P), 74.8 (S3148), 2,145 (S3148P)
Operating temperature: 32° to 113°F (0° to 45°C)
Operating relative humidity: 95%
Storage temperature: -40° to 149°F (-40° to 65°C)
Storage relative humidity: 85%

Performance

MAC addresses: 56K (80K in L2 scaled mode)
Static routes: 16K (IPv4)/8K (IPv6)
Dynamic routes: 16K (IPv4)/8K (IPv6)
Switch fabric capacity: 212Gbps (S3124, S3124F and S3124P) (full duplex) and 260Gbps (S3148 and S3148P)
Forwarding rate: 158Mpps (S3124, S3124F and S3124P) and 193Mpps (S3148 and S3148P)
Link aggregation: 16 links per group, 128 groups
Priority queues per port: 8
Line-rate Layer 2 switching: All (non-blocking)
Line-rate Layer 3 routing: All (non-blocking)
Flash memory: 1G
Packet buffer memory: 4MB
CPU memory: 2GB DDR3
Layer 2 VLANs: 4K
MSTP: 64 instances
VRF-lite: 511 instances
Line-rate Layer 2 switching: All protocols, including IPv4 and IPv6
Line-rate Layer 3 routing: IPv4 and IPv6
IPv4 host table size: 22K (42K in L3 scaled hosts mode)

IPv6 host table size: 16K (both global + Link Local) (32K in L3 scaled hosts mode)
IPv4 Multicast table size: 8K
LAG load balancing: Based on Layer 2, IPv4 or IPv6 headers

IEEE compliance
802.1AB
802.1D
802.1P
802.1Q

802.1Qbb
802.1Qaz
802.1s
802.1w
802.1x
802.1x-2010

802.3ab
802.3ac

802.3ad
802.1ax

802.3ae
802.3af
802.3at
802.3az
802.3u

802.3x
802.3z
ANSI/TIA-1057
Force10
MTU

RFC and I-D compliance

General Internet protocols

768 UDP
793 TCP
854 Telnet
959 FTP

General IPv4 protocols

791 IPv4 2474 Diffserv Field in IPv4 and IPv6 Headers
792 ICMP 2596 Assured Forwarding PHB Group
826 ARP 3164 BSD Syslog
1027 Proxy ARP 3195 Reliable Delivery for Syslog
1035 DNS (client)
1042 Ethernet Transmission
1305 NTPv3 3246 Expedited Assured Forwarding
1519 CIDR 4364 VRF-lite (IPv4 VRF with OSPF and BGP)
1542 BOOTP (relay)
1812 Requirements for IPv4 Routers 5798 VRRP
1918 Address Allocation for Private Internets

General IPv6 protocols

1981 Path MTU Discovery Features
2460 Internet Protocol, Version 6 (IPv6) Specification
2464 Transmission of IPv6 Packets over Ethernet Networks
2711 IPv6 Router Alert Option
4007 IPv6 Scoped Address Architecture
4213 Basic Transition Mechanisms for IPv6 Hosts and Routers
4291 IPv6 Addressing Architecture
4443 ICMP for IPv6
4861 Neighbor Discovery for IPv6
4862 IPv6 Stateless Address Autoconfiguration
5095 Deprecation of Type 0 Routing Headers in IPv6
IPv6 Management support (telnet, FTP, TACACS, RADIUS, SSH, NTP)

RIP
1058 RIPv1 2453 RIPv2

OSPF (v2/v3)
1587 NSSA 4552 Authentication/OSPF with Digital Signatures
2154 OSPFv2 OSPFv3
2328 Opaque LSA 5340 OSPF for IPv6

IS-IS

5301 Dynamic hostname exchange mechanism for IS-IS
5302 Domain-wide prefix distribution with two-level IS-IS
5303 Three way handshake for IS-IS point-to-point adjacencies
5308 IS-IS for IPv6

BGP

1997 Communities 2858 Multiprotocol Extensions
2385 MD5 2918 Route Refresh
2545 BGP-4 Multiprotocol Extensions for IPv6 3065 Confederations
Inter-Domain Routing 4360 Extended Communities
2439 Route Flap Damping
2796 Route Reflection 4893 4-byte ASN
2842 Capabilities 5396 4-byte ASN representations

draft-ietf-idr-bgp4-20 BGPv4
draft-michaelson-4byte-as-representation-05 4-byte ASN Representation (partial)
draft-ietf-idr-add-paths-04.txt ADD PATH

Multicast

1112 IGMPv1 3376 IGMPv3
2236 IGMPv2 MSDP
draft-ietf-pim-sm-v2-new-05 PIM-SMw

Security

2404 The Use of HMACSHA-1-96 within ESP and AH 4250, 4251, 4252, 4253, 4254 SSHv2
RADIUS 4301 Security Architecture for IPsec
3162 Radius and IPv6 4302 IPsec Authentication Header
3579 Radius support for EAP 4303 ESP Protocol
3580 802.1X with RADIUS 4807 IPsec Security Policy DB
3768 EAP MIB PIM-SMw
3826 AES Cipher Algorithm in the SNMP User Base Security Model

Network management

1155 SMIPv1 3411 SNMPv3
1157 SNMPv1 Management Framework
1212 Concise MIB Definitions 3412 Message Processing and Dispatching for the Simple Network Management Protocol (SNMP)
1215 SNMP Traps 3413 SNMP Applications
1493 Bridges MIB 3414 User-based Security Model (USM) for SNMPv3
1850 OSPFv2 MIB 3415 VACM for SNMP
1901 Community-Based SNMPv2 3416 SNMPv2
2011 IP MIB 3417 Transport mappings for SNMP
2096 IP Forwarding Table MIB 3418 SNMP MIB
2578 SMIPv2 3434 RMON High Capacity Alarm MIB
2579 Textual Conventions for SMIPv2 3584 Coexistence between SNMP v1, v2 and v3
2618 RADIUS Authentication MIB 4022 IP MIB
2665 Ethernet-Like Interfaces MIB 4087 IP Tunnel MIB
2674 Extended Bridge MIB 4113 UDP MIB
2787 VRRP MIB 4133 Entity MIB
2819 RMON MIB (groups 1, 2, 3, 9) 4292 MIB for IP
2863 Interfaces MIB 4293 MIB for IPv6 Textual Conventions
3273 RMON High Capacity MIB 4502 RMONv2 (groups 1,2,3,9)
3410 SNMPv3 5060 PIM MIB

ANSI/TIA-1057 LLDP-MED MIB
DelL_ITA.Rev_1_1 MIB
draft-grant-tacacs-02 TACACS+
draft-ietf-idr-bgp4-mib-06 BGP MIBv1
IEEE 802.1AB LLDP MIB
IEEE 802.1AB LLDP DOT1 MIB
IEEE 802.1AB LLDP DOT3 MIB
sFlow.org sFlowv5
sFlow.org sFlowv5 MIB (version 1.3)
FORCE10-BGP4-V2-MIB Force10 BGP MIB
(draft-ietf-idr-bgp4-mibv2-05)
FORCE10-IF-EXTENSION-MIB
FORCE10-LINKAGG-MIB
FORCE10-COPY-CONFIG-MIB
FORCE10-PRODUCTS-MIB
FORCE10-SS-CHASSIS-MIB
FORCE10-SMI
FORCE10-TC-MIB
FORCE10-TRAP-ALARM-MIB
FORCE10-FORWARDINGPLANE-STATS-MIB

Regulatory, environment and other compliance

Safety

UL/CSA 60950-1, Second Edition
EN 60950-1, Second Edition
IEC 60950-1, Second Edition Including All National Deviations and Group Differences
EN 60825-1 Safety of Laser Products Part 1: Equipment Classification Requirements and User's Guide
EN 60825-2 Safety of Laser Products Part 2: Safety of Optical Fibre Communication Systems
FDA Regulation 21 CFR 1040.10 and 1040.11

Emissions

USA: FCC CFR 47 Part 15, Subpart B:2011, Class A
Immunity
EN 300 386 V1.4.1:2008 EMC for Network Equipment
EN 55024:1998 + A1: 2001 + A2: 2003
EN 61000-3-2: Harmonic Current Emissions
EN 61000-3-3: Voltage Fluctuations and Flicker
EN 61000-4-2: ESD
EN 61000-4-3: Radiated Immunity
EN 61000-4-4: EFT
EN 61000-4-5: Surge
EN 61000-4-6: Low Frequency Conducted Immunity

RoHS

All S Series components are EU RoHS compliant.

Certifications

Available with US Trade Agreements Act (TAA) compliance
USGv6 Host and Router Certified on Dell Networking OS 9.7 and greater
IPv6 Ready for both Host and Router
DoD UC-APL approved switch
FIPS 140-2 Approved Cryptography
Warranty
Lifetime Limited Hardware Warranty



Learn More at Dell.com/Networking

July 2016 | Version 1.6
Dell_Networking_S3100_Series_spec_sheet

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Eldorado do Sul, 28 de junho de 2021

À
 ENTERPRISE COMERCIO E SOLUCOES EM TI LTDA EPP
 A/C Sr. Fábio Mesquita de Souza

Ref: PREGÃO ELETRÔNICO Nº 57/2021 – Prefeitura Municipal de Sabará

ASSISTÊNCIAS TÉCNICAS

A **DELL COMPUTADORES DO BRASIL LTDA. ("Dell")**, inscrita no CNPJ/MF sob o nº 72.381.189/0001-10, com sede na Av. Industrial Belgraf, 400 – Medianeira – Cep 92990-000, Eldorado do Sul/RS, vem, através da presente, informar as suas assistências técnicas autorizadas:

PROXXI TECNOLOGIA LTDA

Nome	Endereço	Cidade	UF	CEP	CNPJ	Telefone
Sede Técnica Almenara (MG)	Praça Benedito Valadares, 70 - Térreo - Centro	Almenara	MG	39900-000	47.379.565/0154-60	11 2132 3449
Regional Belo Horizonte (MG)	Rua Rio de Janeiro, 328 - 4º andar - Centro	Belo Horizonte	MG	30160-040	47.379.565/0009-42	11 2132 3449
Sede Técnica Curvelo (MG)	Praça Tiradentes, 568 - Térreo - Centro	Curvelo	MG	35790-000	47.379.565/0152-06	11 2132 3449
Sede Técnica Frutal (MG)	Praça da Matriz, 39 - 1º andar - Centro	Frutal	MG	38200-000	47.379.565/0156-21	11 2132 3449
Sede Técnica Governador Valadares (MG)	Avenida Minas Gerais, 395	Governador Valadares	MG	35010-150	47.379.565/0101-58	11 2132 3449
Sede Técnica Ipatinga (MG)	Avenida 28 de Abril, 176 - Térreo - Centro	Ipatinga	MG	35160-004	47.379.565/0155-40	11 2132 3449
Sede Técnica Januária (MG)	Avenida Marechal Teodoro da Fonseca, 55 - Térreo - Centro	Januária	MG	39480-000	47.379.565/0160-08	11 2132 3449
Sede Técnica Juiz de Fora (MG)	Av dos Andradas, 97-99 - Centro	Juiz de Fora	MG	36036-000	47.379.565/0096-56	11 2132 3449
Sede Técnica Montes Claros (MG)	Rua Governador Valadares, 265	Montes Claros	MG	39400-047	47.379.565/0114-72	11 2132 3449
Sede Técnica Paracatu (MG)	Avenida Dep. Quintino Vargas, 431 - 1º andar - Centro	Paracatu	MG	38600-000	47.379.565/0159-74	11 2132 3449
Sede Técnica Passos (MG)	Avenida Arouca, 504 - Térreo - Centro	Passos	MG	37900-152	47.379.565/0167-84	11 2132 3449
Sede Técnica Ponte Nova (MG)	Avenida Dr. Otávio Soares, 195 - 1º andar - Centro	Ponte Nova	MG	35430-229	47.379.565/0157-02	11 2132 3449
Sede Técnica Pouso Alegre (MG)	Avenida Dr. Lisboa, 31 - 1º andar - Centro	Pouso Alegre	MG	37550-000	47.379.565/0161-99	11 2132 3449
Sede Técnica Teófilo Otoni (MG)	Rua Teodorico Tourino, 345 - 1º andar - Centro	Teófilo Otoni	MG	39800-010	47.379.565/0158-93	11 2132 3449
Sede Técnica Uberlândia (MG)	Avenida Afonso Pena, 273	Uberlândia	MG	38400-059	47.379.565/0116-34	11 2132 3449
Sede Técnica Varginha (MG)	Praça José Resende Paiva, 02	Varginha	MG	37002-030	47.379.565/0099-07	11 2132 3449

Esta declaração é válida pelo prazo de 90 (noventa dias) da sua emissão.

DELL Computadores do Brasil Ltda.
 Av. Industrial Belgraf , 400 . Eldorado do Sul / RS . Geral : 51 3481 5500 Fax : 51 3481 5458



PRISCILA CARDOSO BASSO c=BR, o=ICP-Brasil, ou=Secretaria da Receita Federal do Brasil - RFB,
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Dell Computadores do Brasil Ltda
Priscila Cardoso Basso Melo - Gerente de Vendas

Eldorado do Sul, 30 de junho de 2021.

À
Prefeitura Municipal de Sabara - MG
Ref.: Pregão Eletronico 57/2021

DECLARAÇÃO

A **Dell Computadores do Brasil Ltda.** (“Dell”) inscrita no CNPJ sob o n. 72.381.189.0001-10 e com sede na Av. Industrial Belgraf n. 400, Eldorado do Sul, RS, vem, por meio de seu representante legal, declarar que a empresa ENTERPRISE COMERCIO E SOLUÇÕES EM TI, com sede na Av. Raja Gabaglia, nº 3350 – Estoril BH - MG, inscrita no CNPJ sob o nº 22.777.689/0001-06, faz parte do Programa de Parceria DELL TECHNOLOGIES e é atualmente parceira da Dell, estando autorizada a comercializar os produtos Dell em todo o território brasileiro.

PRISCILA CARDOSO BASSO
MELO:99615797049

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Dell Computadores do Brasil Ltda
Priscila Cardoso Basso Melo – Gerente de Vendas

Esta declaração é válida pelo prazo de 90 (noventa dias) da sua emissão.

DELL Computadores do Brasil Ltda.
Av. Industrial Belgraf , 400 . Eldorado do Sul / RS . Geral : 51 3481 5500 Fax : 51 3481 5458

BELO HORIZONTE, 01 DE JULHO DE 2021.

AO
PREFEITURA MUNICIPAL DE SABARA
PREGÃO ELETRÔNICO Nº 57-2021

PROPOSTA COMERCIAL

Prezados Senhores,

Apresentamos nossa proposta para Aquisição de Material de Informática para a **PREFEITURA MUNICIPAL DE SABARA** conforme discriminado neste Edital.

1. IDENTIFICAÇÃO DO CONCORRENTE:

RAZÃO SOCIAL:	ENTERPRISE COMERCIO E SOLUCOES EM TI LTDA EPP
IE N.º	002585890.00-54
CNPJ N.º	22.777.689/000106
ENDEREÇO.	Av. Raja Gabaglia, n.º 3350 – 2º ANDAR- Estoril
CIDADE/ESTADO:	Belo Horizonte - MG
FONE/FAX:	(31) 3378-1330
E-MAIL EMPENHOS:	licit.enterprise@gmail.com

2. CONDIÇÕES GERAIS

2.1 A proponente declara conhecer os termos do instrumento convocatório que rege a presente licitação bem como a Minuta de Contrato que o integra.

2.2. As relações empregador/empregado, concernentes ao controle de frequência, disciplina, folha de pagamento e demais obrigações de Lei serão sempre de inteira e exclusiva responsabilidade desta empresa.

2.3. Quaisquer reclamações oriundas da prestação dos serviços irão ser formalizadas por escrito e dirigidas ao nosso escritório, sito na Av. Raja Gabaglia, n.º 3350 / 2º ANDAR – B. Estoril, CEP: 30.494-310 na cidade de Belo Horizonte/MG.

2.4. Informamos que tomamos conhecimento de todos os termos e condições do edital e não restando quaisquer dúvidas de nossa parte.

ENTERPRISE

BELO HORIZONTE, 01 DE JULHO DE 2021.

AO
PREFEITURA MUNICIPAL DE SABARA
PREGÃO ELETRÔNICO Nº 57-2021

PROPOSTA COMERCIAL

DADOS DA PROPOSTA	PREENCHIMENTO PELO PROPONENTE
Razão Social:	Empresa Enterprise Comercio e Soluções Em Ti Ltda. Epp,
Nº do CNPJ:	22.777.689/000106
Endereço completo:	Av. Barão Homem de Melo, 26381 - Estoril
Telefone/Fax:	31-3378-1330
Nº Inscrição estadual e/ou municipal:	002585890.00-54
Banco, nº da Conta, Agência, dígito e nome do Banco.	Banco: Itaú Agência: Ag: 6590 C/C: 19.132-3
Nome do Representante Legal:	Fabio Mesquita de Souza - CI – MG10.166.901
Nº da C. I: MG-10.166.901	Nº do CPF: 001.214.226-31 Estado Civil: Casado
Nacionalidade: Brasileiro	Endereço eletrônico: licit.enterprise@gmail.com
Prazo de Validade da Proposta	90 (Noventa) dias,

Item	Descrição Ampliada	qtde	Valor Unitário	Valor Total
05	SWITCH TIPO 1 – 48 portas – Dell Switch S3148	6	R\$ 27.950,00	R\$ 167.700,00

COMPONENTES DA SOLUÇÃO

S3148 Quantidade 1	Quote #: 83767803 / Cfg-Id: 28649341
S3148, L3, 48x 1GbE, 2xCombo, 2x 10GbE SFP+ fixed ports, Stacking, IO to PSU airflow, 1x AC PSU	[210-AFTB]
Power Cord, C13, BR14136, 6 feet/1.8 meter, 250V, 10A, for Brazil	[492-BBLG]
10Gbase-T Module for N3000/S3100 Series, 2x 10Gbase-T Ports (RJ45 for Cat6 or higher)	[407-BBGT]
Stacking Cable, for Dell Networking N2000/N3000/S3100 series switches (no cross-series stack), 0.5m	[470-ABHC]
Dell Networking S3100 User Guide, LATAM	[343-BBET]
3 anos de ProSupport com atendimento no local no próximo dia útil	[809-4934][809-5115][809-5126]
	[809-5129][911-6619]
Sem Serviços de Implantação	[900-9997]



Empresa Enterprise Comercio e Soluções Em Ti Ltda
Fabio Mesquita de Souza – Preposto

AO
PREFEITURA MUNICIPAL DE SABARA
PREGÃO ELETRÔNICO Nº 57-2021

ESPECIFICAÇÕES TÉCNICAS

Item 05 e 06 – Switch Tipo 1

Característica:

48 portas do tipo Gigabit base-T com suporte a módulos com 4 portas 10Gb/s(10.000);

fornecido modulo com 2 portas 10GB/s base T;

Possui suporte para 2 portas Stacking totalizando 84GB/s;

Capacidade de encaminhamento até 260Gbps;

Taxa de encaminhamento de 193 Mbps;

Suporte a 32.000 endereços MAC e até 4.094 VLANs;

Possui suporte para mirroring de porta;

Possui 1 fonte de alimentação como suporte a segunda redundante;

Suporte aos protocolos:

Link Aggregation (IEEE 802.3ad);

LACP support (IEEE 802.3ad);

IEEE 802.1D — Spanning Tree;

IEEE 802.1W — Rapid Spanning Tree;

IEEE 802.1Q — Virtual LANs with Port-based VLANs;

IEEE 802.1v — Protocol-based VLANs;

IEEE 802.1p: Ethernet Priority with User Provisioning and Mapping;

IEEE 802.1X: Port-based Authentication;

IEEE 802.3x: Flow Control;

IEEE 802.3ac: VLAN tagging;

Mutli-Chassis LAG (MLAG);

Suporte mínimo aos recursos de gerenciamento:

Web-based;

CLI ,Telnet ,Serial Port;

SNMPv1, SNMP v2c, SNMPv3;

RMON,TFTP, Dual firmware imagens on-board, LLDP-MED;

Suporte aos recursos de segurança:

RADIUS e TACACS+;

Time controlled ACLs;

Dynamic ARP Inspection;

Suporte: O Equipamento acompanhado de porcas, trilhos, parafusos e demais acessórios necessários para sua instalação em rack padrão 19”;

Os materiais possuem garantia e suporte com atendimento no local por um período de 36 (trinta e seis) meses com um período de disponibilidade para chamada de manutenção de 24 (vinte e quatro) horas por dia, (7 sete) dias por semana;

A contratada possui Central de Atendimento tipo (0800) para abertura dos chamados de garantia, comprometendo-se a manter registros dos mesmos constando a descrição do problema devendo ser anexada junto ao catálogo do produto; Durante o prazo de garantia será substituída sem ônus para o contratante, a parte ou peça defeituosa, salva quando o defeito for provocado por uso inadequado dos equipamentos;

Os serviços de reparo dos equipamentos especificados serão executados onde se encontram (ON-SITE) ou na impossibilidade, no centro de manutenção da contratada, durante o período de 36 (trinta e seis) meses, após este período em caso de reparos ou manutenção, o equipamento deverá ser enviado ao local indicado pelo fabricante;

O prazo máximo para atendimento e reparo/solução do(s) problema(s) que ocasionou(aram) o chamado dos equipamentos, contado a partir da abertura do chamado e dentro do período de disponibilidade para atendimento, de 24 (vinte e quatro) horas;

