

Introduction

The Teldat RS353 is a powerful professional VPN router for high-speed internet access. With its combination VDSL2 and ADSL2+ modem, this model gives small and mid-sized companies the foundation they need to establish state-of-the-art, robust internet connectivity. What's more, the integrated LTE (4G) modem also ensures high availability and redundancy for the company's IT infrastructure and the integrated 802.11n wireless module also provides wireless data connectivity for enterprise applications.

It includes all the functions required to a professional router, such as routing, security, QoS or management.



Product Highlights

- ▶ Flexible WAN connectivity: VDSL2/ADSL2+ or GE(Opt)
- ▶ Integrated switch for local devices
- ▶ VPN Gateway
- ▶ Models with LTE modem and/or Wi-Fi 802.11n access
- ▶ Smart design, no fan, silent
- ▶ Ready for SDWAN migration
- ▶ Console port for out-of-band management

Product Description

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The RS353 family has different models that can perfectly adapt to the requirements of a medium office. It includes all the functions required to a professional router, such as routing (RIP, OSPF, BGP, VRF, PolicyRouting, ...), security (ACLs, Firewall, IPSec, 802.1X, ...), quality of service (CBWFQ, PQ, profiling, ...), or management (CLI, SNMPv3, RADIUS, TACACS+, Syslog, Netflow, Mirroring, ...)

Competitive Advantage

Oriented to professional services	Teldat RS353 series are professional routers specially adapted to SMEs or branch locations with advanced software features.
Extensive local connectivity for	4x 10/100/1000 Ethernet switch ports with advanced VLAN functions, 802.1p/q/x and 802.11n Wi-Fi access point for tablets, smartphones and laptops.
Complete & featured software(CIT)	Teldat's command-line configurable operating system, backed by hundreds of thousands of units in the most demanding environments and carrier services.
Designed for work areas	Fanless-metal housing, they offer long-term reliability for business-critical applications and make them suitable for office installation(no noise).

HARDWARE TECHNICAL FEATURES

LAN connectivity

4x 10/100/1000 ports (LAN/WAN/DMZ configurable)
RJ45 connector, 802.3i, 802.3u, 802.3ab, autosensing, IEEE 802.3u, VLAN and 802.1x

Wi-Fi interface (RS353avw/RS533avw-4G models)

Selectable 802.11abgn access point mode (2.4/5 GHz)
2x2 MIMO external antennas (SMA connector)
WEP, WPA, WPA2 security. WMM QoS, multi SSID

Teldat RS353 models

RCRSH353L Teldat RS353av: 4xGE+1xVDSL
RCRSH353WL Teldat RS353avw: 4xGE+1xVDSL+Wlan 802.11n,
RCRSH353W4GLQEU Teldat RS353avw-4G: 4xGE+1xVDSL+Wlan
802.11n+LTE-Europe

Dual WAN ports: xDSL(Annex A) and GE

VDSL2 ITU G.993.2, Vectoring ITU G.993.5
ADSL over POTS (ITU G.992.1, ITU G.922.2, ITU G.992.3, ITU G.992.5)
1x 10/100/1000 LAN port (Optional: license required)

WWAN interface (RS123avw-4G model)

Built-in hardware module with LTE up to 150Mbps DL / 50 Mbps UL
2 external antennas with SMA connector
USB 2.0 host interface for USB 3G/4G sticks

Dimensions and environmental specifications

L x W x H: 170 x 265 x 40 mm, Approximate weight: 1.4 Kg
Format: Desktop, wall and rack mounting
Temperature: 0 to 40 °C, Storage: -25°C to 70°C,

SOFTWARE TECHNICAL FEATURES

IP protocol

ARP, ARP Proxy, MTU discovery, NAT/PAT, ECMP, BFD
RIP, OSPF, BGP, BFD and policy based static(PBR) routing
Virtual Router Forwarding (Multi-VRF)

Security

IPSec support in transport and tunnel mode. DMVPN
Pre-shared authentication, RSA, Certificates, MDS, SHA-2
Encrypted: DES (56 bits), 3DES (168 bits), AES (128, 192 and 256 bits)

IP services

DNS, FTP, SFTP, SSH, Telnet server and client
NTP, LDAP, Syslog, SCP client. TFTP server
DHCP server/client/relay, dynDNS relay

IPv6

Dual Stack, IPv6oIPv4, IPv4oIPv6, GRE, 6rd, DHCPv6, ICMPv6, SLAAC
Static and dynamic routing RIPng, OSPFv3, MP-BGP
Multicast: MLD, MLDv2, Listener, Querier

Management

Zero Touch Provisioning
CLI configuration and storage in a plain text file.
Cloud Net Manager tool(HTTPS based)

IP protocol (2)

Multicast: IGMP (v1,v2, v3), PIM-SM, MSDP, MLD, MLDv2
IPSLA service probes (delay, packet loss, jitter)
High availability: VRRP, TVRP/HSRP

Security (2)

Certificates: CSR, SCEP, X.509v3, PKIX, LDAP revocation
Static and dynamic access lists(ACLs) and session-based Firewall, SPI
DoS detection

Quality of Service(QoS)

Classification, marking, BW management, BW prioritization and limitation.
Up to 16 queues per interface
Strict policies (PQ), Low latency (LLQ), by weight/type (WFQ, CBWFQ)

VoIP

Protocols: SIP (UDP, TCP, TLS), H323, UA-NOE, SRTP, SCCP
Support for terminals SIP, UA-NOE, H323, and SCCP terminals
Survival services: calls, hold, transfers

Management (2)

Netflow, RMON V5 and V9. SNMPv1, v2c y v3, Syslog support
Wireshark-compatible remote packet capture

ADDITIONAL TECHNICAL FEATURES

LEDs

Power, Status, 10 * Ethernet, WLAN, USB, xDSL, LTE

Console port/Default IP Address

Type USB 2.0-B
Default IP address: 192.168.1.1/24 ethernet0/0

Certifications and standards: RED Directive 2014/53/EU

Safety: EN 60950-1, EN 50385 and EN 62311. EMC: EN 301 489-1, EN 301 489-17
EN 301 489-52, EN 55032 +AC/2013, EN 55024. RADIO: EN 301 511, EN 301 908-1
EN 300 328, EN 301 893. ErP/ECO: EN 50564. RoHS: EN 50581

Content of delivery

2 x LTE/UMTS 2dBi quad-band antennas. 2x WLAN 3 dBi dipol dualband antennas
1x Ethernet cable, 2m. 1x Power cord according to order
VDSL/ADSL cable (RJ45-RJ11), 3m

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