4G/LTE periperal device for corporate routers

Compatible 4G/LTE enabler for routers with no built-in wireless support

Introduction

Mobile connections are an ideal infrastructure for backing up fixed connections but corporate routers are not usually prepared for them or are installed in places that have poor coverage due to difficult access conditions. Teldat-Ge is the solution as it can connect the corporate router easily, economically and non-intrusively to mobile networks.

Teldat-Ge is equipped with a mobile device for connection via Ethernet to the corporate router and designed for installation in places with adequate network coverage.

Product Highlights

- ▶ Non-intrusive. Compatible with existing routers
- ▶ Simple and quick installation
- ▶ Installable anywhere in the office
- ▶ It only requires an Ethernet connection
- ▶ PoE power
- ▶ Standard-based
- ▶ No management required

Interfaces

Interfaces	Teldat-4Ge
1 x Gigabit Ethernet	PoE, only cable is required for install
2 external antenna connectors	Indoor antennas included

Competitive Advange

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Quick ansd easy installation	Requires no previous configuration, only Ethernet connection (with PoE enabled, only Ethernet cable is required, otherwise it must be connected to the mains).
No management required	Download configuration using self-provisioning (similar to an IP phone). Configuration is normally stored in the office router.
The corporate router keeps control	The mobile connection is controlled and the same connection, security and service quality policies as the fixed connection apply.
Discreet and inconspicuous design	It is usually installed in an inconspicuous spot on an interior office wall to achieve maximum coverage.

Scenarios
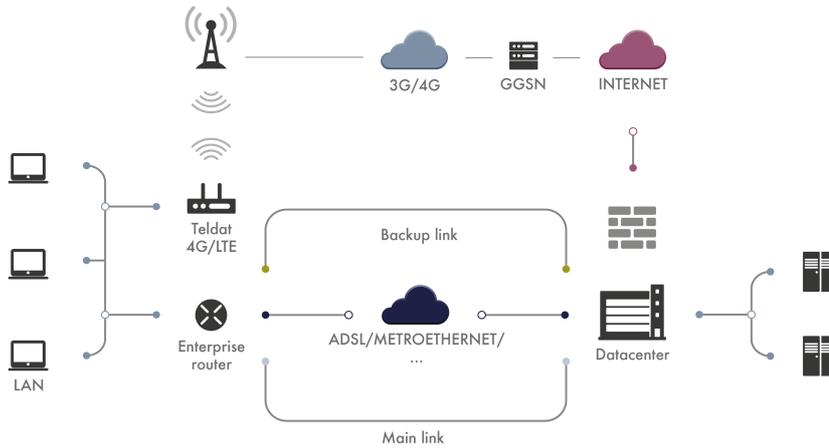
Key Features

Provides any existing architecture with mobile access Mobile and fixed connections are controlled by the same router, following the same security or service quality policies as the latter.

Standard-based VLAN is used to establish the data connection between the router and Teldat-4Ge, meaning that it is a virtual interface in the router for all effects and purposes.

Self-provisioning Teldat-4Ge does not store configuration but receives it via DHCP during start-up so no action needs to be performed on the device prior to its installation.

No management required No management address needs to be reserved or activated in management systems as it is manageable from the existing router.

Installation with one single cable All that is required is an Ethernet connection with PoE (PoE injector available in case the switch does not provide PoE). Easy and quick to install.

installation on a table or wall Designed for installation on a wall to achieve the best signal.

Specifically designed for installation in offices It is a small insignificant device that remains inconspicuous in work rooms or transit areas.

It may be used as an autonomous router "Router mode" where a mobile connection is provided directly to Ethernet devices for mobile offices or device backup.

HARDWARE TECHNICAL FEATURES

Gigabit connection to the local network	**Two external antennas**
Gigabit Ethernet 10/100/1000 interface with the local network	Dual antenna for LTE MIMO reception
RJ45 connector	SMA connector
Dimensions and Weight	**Environmental specifications**
Length x Width x Height: 160 x 145 x 45 mm	Temperature: 0 to 45 ºC
Approximate weight: 0,263 Kg	Relative humidity: 5 to 90%
Format: On a table, wall and DIN track	Atmospheric pressure: 700 to 1060 mbars

SOFTWARE TECHNICAL FEATURES

Self-provisioning	**Communication with the router**
Reception of parameters via DHCP	Connection to the router via VLAN
The office router is normally the DHCP server	Use of the existing Ethernet infrastructure
Install and ready	Manageable from the router
IP protocol	**IP protocol (2)**
ARP, ARP Proxy, MTU discovery, NAT, ECMP, BFD	Multicast: IGMP (v1,v2, v3), PIM-SM, MSDP, MLD, MLDv2
RIP, OSPF, BGP, Policy based static and dynamic routing	IPSLA service probes (delay, package loss, jitter)
Virtual Router Forwarding (Multi-VRF)	High availability: VRRP, TVRP (HSRP compatible)
Security	**Security (2)**
IPSec support in transport and tunnel mode	Certificates: CSR, SCEP, X.509v3, PKIX, LDAP revocation
Pre-shared authentication, RSA, Certificates, MDS, SHA-1 encrypted: DES (56 bits), 3DES (168 bits), AES (128, 192 and 256 bits)	Static and dynamic access lists and session-based Firewall
	Detection of DoS and DDoS attacks
IP services	**Service quality**
DHCP, DNS, FTP, SFTP, SSH, Telnet server and client	Classification, marking, BW management, BW prioritisation and limitation
NTP, LDAP, Syslog, SCP client. TFTP Server, DHCP Relay , dynDNS	Up to 32 types 16 queues per interface
Management of phone terminals with SIP protocol	Strict policies (PQ), Low latency (LLQ), according weight/type (WFQ, CBWFQ)
IPv6.	**Management**
Dual Stack, IP6oIPv4, IPv4oIPv6, GRE, 6rd, DHCPv6, ICMPv6, SLAAC	Netflow, RMON V5 and V9, SNMPv1, v2c y v3, Syslog support
Static and dynamic routing RIPng, OSPFv3, MP-BGP	Manageable via SMS
Multicast: MLD, MLDv2, Listener, Querier	Remote Wireshark compatible traffic collection

ADDITIONAL TECHNICAL FEATURES

Power, LAN and mobile network connection

FLEXIBLE
COMMUNICATIONS SOLUTIONS
THAT GROW WITH YOU.

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Teldat is a leading provider in Enterprise Communications equipment and Services for the top corporate to mid-sized and SME markets.

About TELDAT

ROUTERS | Wi-Fi | MANAGEMENT | TRANSPORT | SMART GRID | INDUSTRIAL | VoIP | CLOUD | SECURITY | NFV |

Teldat Group is a leading technology holding that desings, manufactures and distributes advanced Internetworking platforms for corporate environments, providing new and cutting-edge communication solutions without ever losing sight of its customers real requirements. Teldat's solutions development is based on proprietary technology, which is in the Group's DNA. This allows Teldat to be a leading provider in Enterprise Communications equipment and Services for the top corporate to midsized markets, as well as the SME and SoHo markets.

From a geographical viewpoint, Teldat Group has a presence in all continents, with its corporate headquarters located in Spain, and operational affiliates in Europe (Germany, Austria, Portugal, Italy and France) and in LATAM (Mexico and Brazil), as well as two business development offices in USA and China.

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