# Industrial Router - TK100 Series

TK100 SERIES

Fully integrated with:

**SMART EMS**
Rollout and central
management of routers
and edge gateways

**VPN Security Suite**
Secure E2E access to
devices and machines
in the field

## Industrial Router TK Series

- 4G LTE Cat. 4
- Two ethernet ports
- Wall mounting or integration into other devices, optionally for DIN rail mounting
- 9 to 36 V DC power supply
- Integrated firewall, OpenVPN and IPsec
- Very compact and robust housing

| MODEL OVERVIEW - INDUSTRIAL ROUTER TK100 SERIES | |
|---|---|
| **TK102L** | LTE-Router Cat. 4 Europe |

# Industrial Router - TK100 Series

SPECIFICATIONS

| TK102L | |
|---|---|
| **GENERAL** | |
| Type | LTE Router |
| Series | TK100 |
| **CELLULAR FEATURES** | |
| Chipset | Quectel EC25-EC |
| 4G standard | LTE Cat. 4 |
| SIM card slots | 2 (dual SIM) |
| GSM band | B3/B8 |
| UMTS band | B1/B8 |
| LTE band | B1/B3/B7/B8/B20/B28A |
| Download (max) | 150 Mbps |
| Upload (max) | 50 Mbps |
| Authentication | CHAP/PAP |
| Cellular antenna connector | 1x SMA (f) |
| APN functions | APN (Access Point Name), VPDN (Virtual Private Dialup Network, IP VPN of the network operator) |
| Dial On Demand | Always online or dial, SMS or local data transfer |
| SMS functions | Reboot and status SMS |
| **ETHERNET INTERFACES** | |
| Connector TX | RJ45 |
| 10/100BaseTX | 2 ports (1 of them can be configured as WAN) |
| WAN port | ADSL Dialup (PPPoE)/Static IP/DHCP (1 ethernet port) |
| **CONFIGURATION AND STATUS** | |
| Configuration | Web browser (http/https) + SMART EMS |
| Updates | Local firmware update or via LTE and central with SMART EMS |
| LED | 4 status LEDs: POWER, STATUS, MOBILE, SIGNAL |

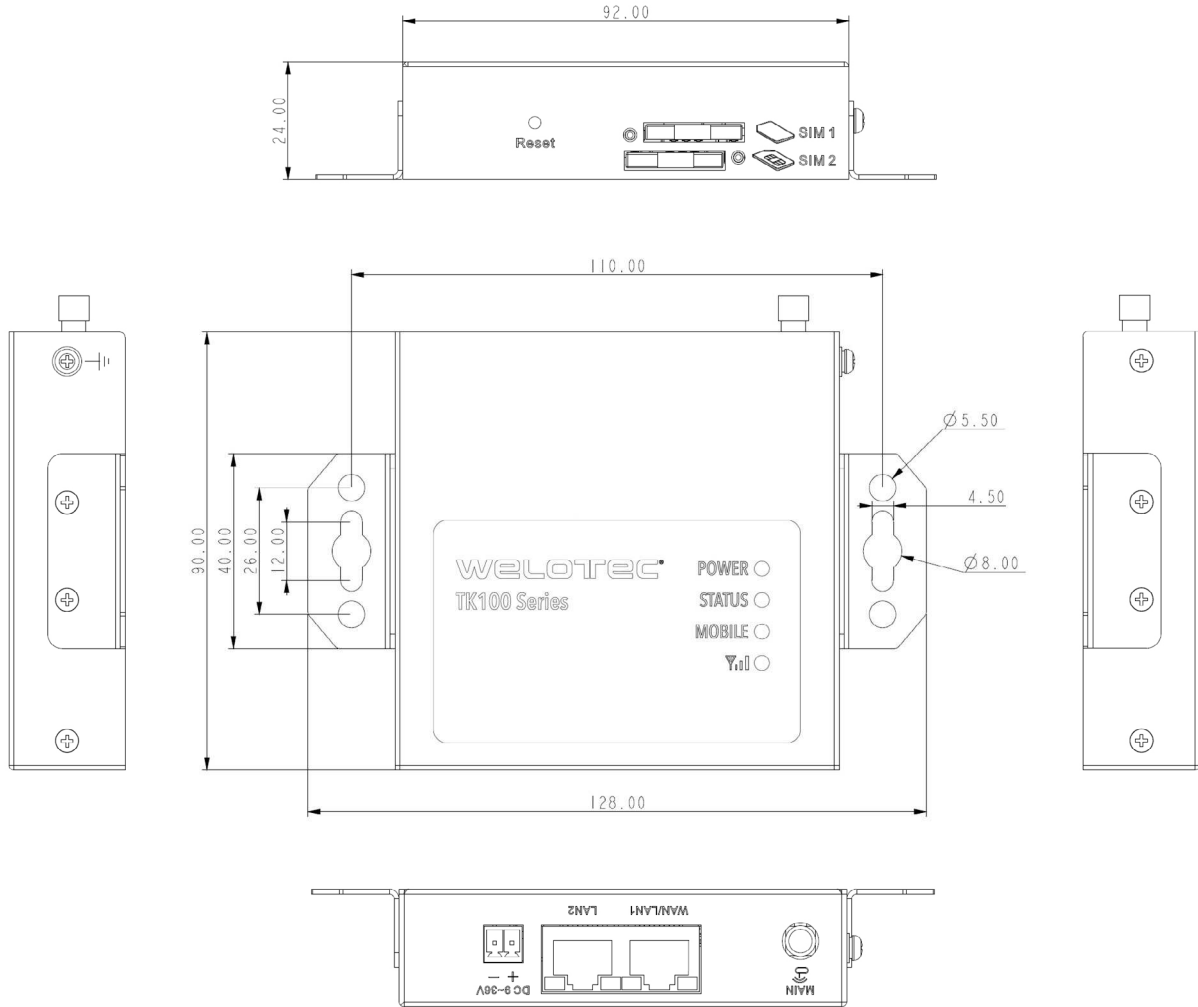| TK102L | |
|---|---|
| **NETWORK CHARACTERISTICS** | |
| Routing | Static routes |
| Network protocols | ICMP, TCP, IP, UDP, DHCP, NTP, DNS, HTTP, HTTPS, Telnet, ARP, VRRP, PPP |
| Connection inspection | PPP LCP echo and ICMP keep alive for checking connections |
| NAT and PAT | Network Address Translation (NAT) and Port Address Translation (PAT) |
| DDNS (DynDNS) | Supports Dynamic DNS |
| VRRP | Automatically switch to slave router if the master router fails |
| IPsec | Supports IPsec IKEv1 |
| OpenVPN | Client and server |
| VPN authentication | Preshared key, digital certificates |
| Firewall | Stateful Packet Inspection (SPI), filter multicast, filter PING packets, prevention of DoS attacks, various firewall strategies |
| Port forwarding | Extranet users can access special intranet ports |
| Access control | Flexible access control of TCP, UDP and ICMP packets |
| Realtime clock | Provides the system with the current time (NTP) |
| **POWER SUPPLY** | |
| Power supply | 9 - 36 V DC |
| Connector | Terminal block, 2-pin (m) |
| Power consumption | 0,9 W (standby) / 1,5 W (active) |
| **PHYSICAL CHARACTERISTICS** | |
| Housing material | Metal |
| Ingress protection | IP30 |
| Dimensions (WxHxD) | 90 x 90 x 25 mm |
| Weight | 260 g |
| Mounting | Wall mounting, integration, DIN rail |
| **ENVIRONMENTAL** | |
| Operating temperature | -20 - +70 °C |
| Humidity | 5 - 95 %, non condensing |

# Industrial Router - TK100 Series

PRODUCT DIMENSIONS (MM)



92.00

24.00

Reset

SIM 1
SIM 2

110.00

Ø 5.50

4.50

Ø 8.00

90.00

40.00

26.00

12.00

WELOTEC

TK100 Series

POWER

STATUS

MOBILE

128.00

LAN2
WAN/LAN1

DC 9~36V

MAIN

![Welotec logo – a byte smarter]

# Industrial Router - TK100 Series
PRODUCT IMAGES