

# Industrial Cellular Routers Line Card

2026 Procurement Guide & Technical Comparison: VT-LTE400 vs VT-LTE500 Series

Secure your remote assets today. Whether you need a cost-effective multi-port gateway or an advanced gigabit router with edge industrial acquisition, the Valtoris VT-LTE series eliminates CGNAT headaches and delivers secure, reliable connectivity. Use this offline comparison to select the right router for your infrastructure.

| Specification Parameter                 | VT-LTE400 Series<br>5-Port 4G LTE Gateway                                      | VT-LTE500 Series<br>Gigabit & Serial 4G LTE Router                 |
|-----------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1. CELLULAR ENGINE & SIM SPECIFICATIONS |                                                                                |                                                                    |
| Cellular Bandwidth                      | 4G LTE CAT1<br>Max 10Mbps Downlink / 5Mbps Uplink                              | High Speed<br>4G LTE Cat-4<br>Max 150Mbps Downlink / 50Mbps Uplink |
| Supported Frequency Bands               | LTE-FDD: B1/B3/B5/B7/B8/B20<br>EGSM900   DCS1800<br>(EMEA & Asia Optimized)    | LTE-FDD & LTE-TDD Supported<br>(Region specific bands available)   |
| SIM Architecture                        | Micro SIM Card (3FF)<br>15x12mm (3V/1.8V compatible)<br>Internal embedded slot | 1 x SIM slot (1.8 V/3 V)<br>External SIM holder for easy access    |
| RF Antenna Interfaces                   | 1 x 50Ω / SMA Female (Cellular)<br>1 x 50Ω / SMA Female (Wi-Fi)                | 1 x SMA Female for 4G (Main)<br>1 x SMA Female for Wi-Fi           |

| Specification Parameter                                      | VT-LTE400 Series (Continued)                                                                    | VT-LTE500 Series (Continued)                                                                                                                                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2. WIRED ETHERNET, WIRELESS (WLAN) &amp; SERIAL LAYER</b> |                                                                                                 |                                                                                                                                                                                                          |
| <b>Physical Ethernet Ports</b>                               | <b>5 Ports Total (Fast Ethernet):</b><br>1 x 10/100M WAN<br>4 x 10/100M LAN<br>(Auto MDI/MDI-X) | <b>Gigabit Ethernet</b><br><b>2 Ports Total (Gigabit):</b><br>1 x 10/100/1000M WAN (Configurable to LAN)<br>1 x 10/100/1000M LAN                                                                         |
| <b>Industrial Serial Interfaces</b>                          | <i>N/A - Ethernet only</i>                                                                      | <b>Industrial Edge</b><br><b>2 x RS485 Terminal Block</b> <ul style="list-style-type: none"> <li>DTU Transparent Transmission (TCP/UDP/MQTT)</li> <li>Modbus Collect (Built-in Modbus Master)</li> </ul> |
| <b>WLAN Engine (2.4GHz)</b>                                  | MediaTek MT76x8<br>802.11b/g/n Wireless Engine                                                  | 2.4 GHz frequency band<br>IEEE 802.11b/g/n (Up to 50 users)                                                                                                                                              |
| <b>Advanced WLAN Topologies</b>                              | Master (AP), Client, Relay, Bridge, Mesh, and 802.11r Fast Transition                           | Access Point (AP), Station (STA)                                                                                                                                                                         |
| <b>3. ELECTRICAL INPUT &amp; PHYSICAL ARMOR</b>              |                                                                                                 |                                                                                                                                                                                                          |
| <b>Input Power Terminals</b>                                 | DC 9V ~ 24V<br>(Explicit V+/V- 2-pin Terminal Block)                                            | DC 9V ~ 36V<br>(with reverse-polarity protection)                                                                                                                                                        |
| <b>Operating Temperature</b>                                 | -40°C to +85°C<br>(Storage: -40°C to +120°C)                                                    | -30°C to +75°C<br>(Storage: <95% non-condensing humidity)                                                                                                                                                |
| <b>Dimensions &amp; Housing</b>                              | 37.6 x 83.6 x 89.2 mm<br>Standard 35mm DIN-Rail, IP40<br>Aluminum Alloy                         | 84.81 x 65.09 x 32.70 mm<br>DIN-Rail mountable, IP30 Metal Casing                                                                                                                                        |

| Specification Parameter                                  | VT-LTE400 Series (Continued)                                                                                 | VT-LTE500 Series (Continued)                                                                                                                                                   |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4. NETWORK SECURITY, VPN TUNNELS &amp; RESILIENCE</b> |                                                                                                              |                                                                                                                                                                                |
| <b>Secure VPN Protocols</b>                              | <ul style="list-style-type: none"> <li>• IPsec VPN Tunneling</li> <li>• WireGuard</li> <li>• L2TP</li> </ul> | <b>Enterprise VPN Suite</b> <ul style="list-style-type: none"> <li>• OpenVPN &amp; IPsec</li> <li>• WireGuard</li> <li>• GRE &amp; L2TP</li> <li>• PPTP &amp; VXLAN</li> </ul> |
| <b>Automated Failover &amp; Recovery</b>                 | Wired/4G Smart Backup<br>DPD Link Monitoring (Automated VPN re-connection)                                   | ICMP Watchdog<br>(Automated Link Health Monitoring & Self-Recovery)                                                                                                            |
| <b>Network Management Layer</b>                          | Stateful Firewall, Static Routing, Port Forwarding (NAT), DHCP/DNS, VLAN (802.1Q)                            | Stateful Firewall (SPI Filter, IP Filter, Domain Filter), Static Routing, NAT/DMZ, DHCP/DNS, QoS Traffic Shaping                                                               |
| <b>Zero-Config Remote Access</b>                         | <i>Standard configuration required</i>                                                                       | <b>m2mCloud Supported</b><br>Software-defined SD-LAN peer-to-peer tunnel for remote PLC/HMI maintenance without public IP or port mapping.                                     |

**Valtoris Electronic Technology Co., Ltd.**

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