VALTORIS

Digi WR21 to VT-LTE400 Migration Guide

Document Type: Hardware Migration Specification
Version: 1.0

1. Executive Summary

This document serves as an engineering reference for migrating from the End-of-Life (EOL) Digi TransPort WR21 cellular router to the Valtoris VT-LTE400. The VT-LTE400 provides a verified drop-in replacement architecture, requiring zero changes to standard 9-24V cabinet wiring or existing SMA cellular antenna arrays.

2. Hardware Specification Comparison

Specification	Digi TransPort WR21	Valtoris VT-LTE400
LAN Ports	1 or 2 Ethernet Ports	**4 x LAN + 1 WAN (Built-in Switch)**
Operating Temp.	-20°C to +70°C	**-40°C to +85°C**
Power Input	9-30V DC	**9-24V DC Terminal Block**
Cellular Antennas	SMA Female Connectors	**SMA Female (Direct Thread-on Match)**
Cybersecurity	SarOS (EOL, unpatched)	**Active Firmware, IPsec, OpenVPN**

3. Physical Migration Steps

1. **Power Disconnect:** Remove the 9-24V DC power terminal block from the legacy device. Do not strip or alter the existing cabinet wires.
2. **Antenna Transfer:** Unscrew the SMA cellular antennas from the WR21. Thread them directly onto the VT-LTE400 SMA ports.
3. **Device Swap:** Unclip the old router from the DIN rail. Snap the VT-LTE400 onto the backplane.
4. **Power Reconnect:** Insert the existing power terminal block directly into the VT-LTE400 power interface.
