



OmniVista Smart Tool

Field-First Simplicity for OT and IoT environments

The **OmniVista Smart Tool (OST)** is a purpose-built field utility designed to **empower technicians and streamline the deployment and troubleshooting of IoT** device connectivity. OST ensures that OT environments stay connected without unnecessary overhead.

What are the challenges?

OT deployments face consistent challenges:

- Installations performed by **non-network specialists**
- **High turnover** among field and operations staff
- Time-consuming troubleshooting requiring **IT escalation**
- Device-heavy networks (cameras, sensors, access control) with frequent PoE issues
- Limited or restricted cloud connectivity in OT environments

Designed for Device-Heavy OT Networks

OST is built to operate **side-by-side with any device-heavy network**, especially where cameras, sensors, and edge devices dominate.

Typical environments include:

- Physical Security (VMS)
- Transportation & ITS
- Industrial & Manufacturing
- Smart Buildings & BAS
- Utilities, campuses, and critical infrastructure

OST enables field technicians of all skill levels to install and troubleshoot device connectivity without relying on CLI tools, cloud dashboards, or advanced networking expertise.

- **A standalone, cloud-independent** field utility
- **Real-time diagnostics** and guided repair workflows
- OmniSwitch Lightning Config wizards designed for **first-time installation success**
- **Operational efficiency** that reduces support and escalation loads
- **Strengthens user confidence**



Key Highlights

One-button PoE Power Cycle

Quickly reboot cameras or PoE devices without site visits keeping a human in the loop for accountability in high-assurance markets such as **correctional facilities, casinos, and banks.**

Faster resolution for 90%+ of camera issues

Most physical security problems are power or cabling related OST addresses them directly.

Fewer truck rolls and site visits

Resolve issues remotely instead of travelling to reboot devices.

Unique PoE Wizard

Diagnoses and repairs common PoE issues in under **60 seconds**, dramatically reducing deployment time and training requirements.

Empowers operations teams

Enables video and OT operations staff to handle first-line troubleshooting, freeing IT for higher-value work.

Port security and tamper prevention

Lock ports to cameras and prevent unauthorized changes.

The screenshot displays the OmniVista Smart Tool (v2.4.1) interface. The top section shows device information: Name: OS6360, IP Address: 192.168.39.15, Release: 8.10.93.R03, Running Directory: Working, Synchronization: Not Synchronized, Location: Plano Wonder Labs!, Contact: Alcatel-Lucent Enterprise, PoE Debug Level: Info, CMM Debug Level: Info, Model: OS6360-F48X, Serial Number: WHS20280030P, MAC Address: 94-24-e1-2c-f2-c5, Up time: 6 d : 2 h : 28 min : 29 sec, Temperature: 109 °F (43 °C), CPU Usage: 20%, Free Flash Memory: 73%, Total: 909.1MB, FPGA Version: 0.12, U-Boot Version: 8.10.114.R02.

The main table lists PoE ports with columns: Slot, #Ports, #Poe Ports, Budget (Watts), Consumption (Watts), 802.3BT Support, Power, Fast PoE, Perpetual PoE, PoE Status, VC Master/Slave, Port, Description, Status, Bandwidth, Duplex, PoE Status, Priority, Power (Watts), Max Power (Watts), PoE Class, PoE Mode, 802.3BT, IP Address, Device Model, Device Type, and Device Name.

A PoE Wizard dialog box is open, displaying the following information:

- PoE Wizard completed on port 1/1/47 with device type Camera:
- PoE Status: On, Port Status: Up, Power: 3.2 Watts
- Type: Bridge WLAN AP Router Station Only
- Vendor: Raspberry Pi Trading Ltd
- Description: Raspbian GNU/Linux 11 (bullseye) Linux 6.12.25v8+ #1875 SMP PREEMPT Wed Apr 30 12:32:50 BST 2025 aarch64
- IP: 192.168.39.140
- Port Description: eth0
- MAC: e4:5f:01:5eb8da

The bottom section shows a Device Import Preview table with columns: MAC Address, Name, IP Address, Model, Vendor, Serial Number, Location, and Firmware Version.

MAC Address	Name	IP Address	Model	Vendor	Serial Number	Location	Firmware Version
e4:30:22:58:62:6f	HW-6081R	192.168.39.137	PNV-A6081R	Hanwha Vision	Z70A04477000B1J	Plano Wonder Labs!	2.23.03.20250806_R152
acc8b9ee8c32	axis-acc8b9ee8c32	192.168.39.103	MD036-LE-8468	AXIS	ACC8B9EE8C32	---	5.80.72
1b0a4d4f497532	axis-1b0a4d497532	192.168.39.210	MD037-PLR-M6-8	AXIS	1B0A4D4F497532	---	11.11.181
1b0a4d4f7fb811	axis-1b0a4d4f7fb811	192.168.39.193	M1077-PLVE	AXIS	1B0A4D4F7FB811	---	11.11.181

Total devices: 4

Note: Import will update existing devices (by MAC address) and create new devices if not already in the system. You can edit any field except MAC Address before importing.

Buttons: Cancel, Import

Core Features

Real-time PoE diagnostics and guided repair

Ethernet cable health testing (TDR)

Per-port device discovery and power visibility (LLDP)

Secure configuration wizards for rapid setup

No CLI dependency during installation

OST transforms OT deployment into a seamless solution experience. It makes deployments faster, easier, and more reliable for the people who actually operate the environment.

Solution Sheet

Alcatel-Lucent OmniVista Smart Tool