

Nebbiolo Fog Computing Platform

The Nebbiolo Fog Computing Platform is a mini data center at the edge, bridging the gap between the IoT devices and the cloud infrastructure. The platform is comprised of fogNode™ hardware, the fogOS™ software stack, and the fogSM™ system manager which is deployed in the cloud or on-premises.

Nebbiolo fogSM™ Software

The fogSM™ provides a unified interface and system manager functionality which allows for zero touch deployment and complete asset management of the fogNodes and devices at the edge. The application store infrastructure allows secure and signed deployment of applications. This horizontally and vertically scalable infrastructure supports a large number of devices and a wide range of applications.

Key functions provided by the fogSM™:

- Single Pane of Management for fogNodes, Sites and Assets
- End-to-end Security
- Zero Touch Asset Discovery and Management
- Network Function Virtualization
- Real-time and Non-Real-time Functions
- Soft PLC enabling software based Control and Safety
- Condition Monitoring, Anomaly Detection, Threat detection and Isolation
- Horizontal Scaling with Industrial class high availability
- Edge Analytics Infrastructure
- Application Catalog Management, Application on-boarding and deployment, Intelligent Placement, Software upgrades and migration, and complete life-cycle management of the application.

