

SPARK 3.0

The TIBA SPARK Suite Platform is cloud-based, web environment that allows parking operators and owners to control, manage, and monitor all their facilities from a central location. SPARK utilizes the successes of SmartPark, and expands the user experience in a streamlined and accessible way. Spark can be accessed from any Internet-ready device – from virtually anywhere in the world.

The architecture is built on the AWS platform and takes full advantage of modern, best-practice technology. It allows the Platform to be fault-tolerant, highly available, and to be dynamically scalable – ensuring a better user experience. It will also serve as the architecture for future global and/or consumer-facing product offerings. TIBA holds true to our belief that data ownership stays with our customers.

SPARK expands on the mature, proven TIBA SmartPark logic engine. Controllers remain locally installed, and local/offline decision point integrity is maintained in our multilayered approach. This minimizes downtime and feature-loss when the Internet isn't available. Connections from the local side to the Platform are designed to be outbound only, eliminating the need for the owner to purchase static, public IPs. SPARK modules allow owners and operators to maintain control of all facilities with a single login.

FEATURES*

Cloud Architecture

- No need for static IP to SmartPark servers
- Easy remote access from anywhere

Easy Deployment

- New users join VIA email invite
- Features in the cloud update automatically

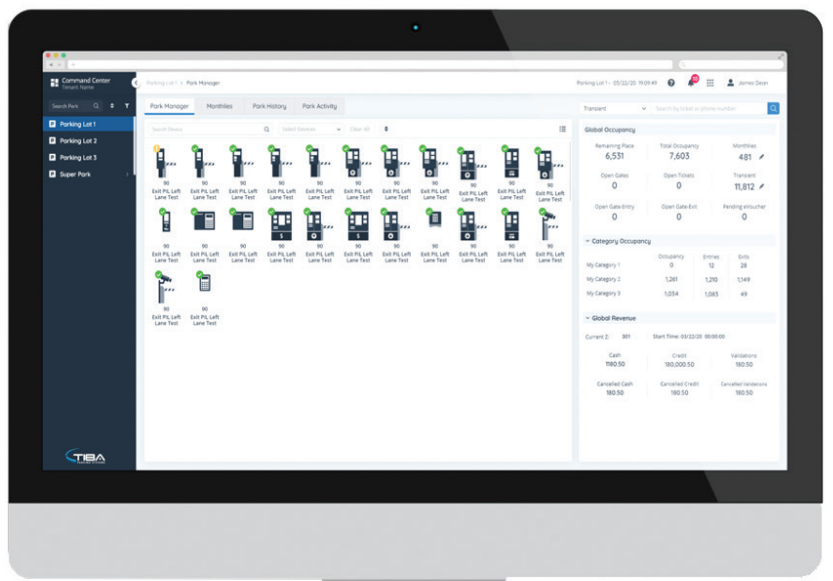
Keeps SmartPark Offline Capabilities

- Keeps operational independency on internet failure
- Auto recovery of failures

Microsoft Technology AWS Cloud Services

SPARK MODULES

- Command Center
- Reports
- Validation
- SPARK Settings (Configuration)
- Guests & Reservation



* Not all features are available or standard in all regions. Check with your local TIBA representative for availability.

SPARK Suite			Entry Level SaaS (OTHER SYSTEMS)	
<p>REDUNDANCY LAYER PHYSICAL LOCATION</p> <p>HOSTED</p> <p>LAYER 1 CLOUD</p> <p>HOSTED</p> <p>REAL TIME SITE PROCESSING APPLICATION</p> <p>LAYER 2 ON SITE</p> <p>REAL TIME SITE CONTROLLER</p> <p>SWITCH</p> <p>LAYER 3 ON SITE</p> <p>ENTRY EXIT PAY ON FOOT</p> <p><i>Insular System Operation Independent of Cloud Availability</i></p>	YES	SYSTEM	NO	<p>PHYSICAL LOCATION REDUNDANCY LAYER</p> <p>HOSTED</p> <p>LAYER 1 CLOUD</p> <p>HOSTED</p> <p>CELLULAR NETWORK</p> <p>LAYER 2 ON SITE</p> <p>CELLULAR NETWORK</p> <p>SWITCH</p> <p>LAYER 3 ON SITE</p> <p>ENTRY EXIT PAY ON FOOT</p>
	YES	System Independence from Cloud	NO	
	YES	Triple Layer System Redundancy	NO	
	YES	High Processing Speed	NO	
	YES	SOFTWARE	NO	
	YES	Multi-Tenant Web-Based SaaS	NO	
	YES	Multi-System Standard Integration Gateway (API)	NO	
	YES	EQUIPMENT	NO	
	YES	No O/S Industrial Embedded Controllers	NO	
	YES	PRICING	NO	
YES	Scalable Licensing Model	NO		
YES	Lowest Cost of Ownership	NO		

The SPARK Platform is compatible with all existing TIBA products. SPARK does rely on a minimum version of SmartPark. TIBA provides excellent backwards compatibility and support – bringing our latest Internet enabled benefits to any member of the current TIBA family.

- TIBA has extensive experience designing Parking Systems that are effective at managing multiple TIBA sites with minimal staff/interaction in SmartPark.
- Built-in Resolver functionality boasts the ability to quickly react to customer needs and to dispatch for assistance.
- SPARK’s detailed report generator engine provides useful, proactive data to management.

APPLICATIONS & USES



Mixed usage facilities



Municipal properties



Airports, other transport facilities



Shopping malls



Hotel, Valet, event operations



Residential, commercial complexes



Sport arenas, convention centers



University, medical campuses



www.tibaparking.com

USA

2228 Citygate Drive, Columbus, Ohio 43219
T. +1 614 328 2040 • F. +1 614 864 2153