



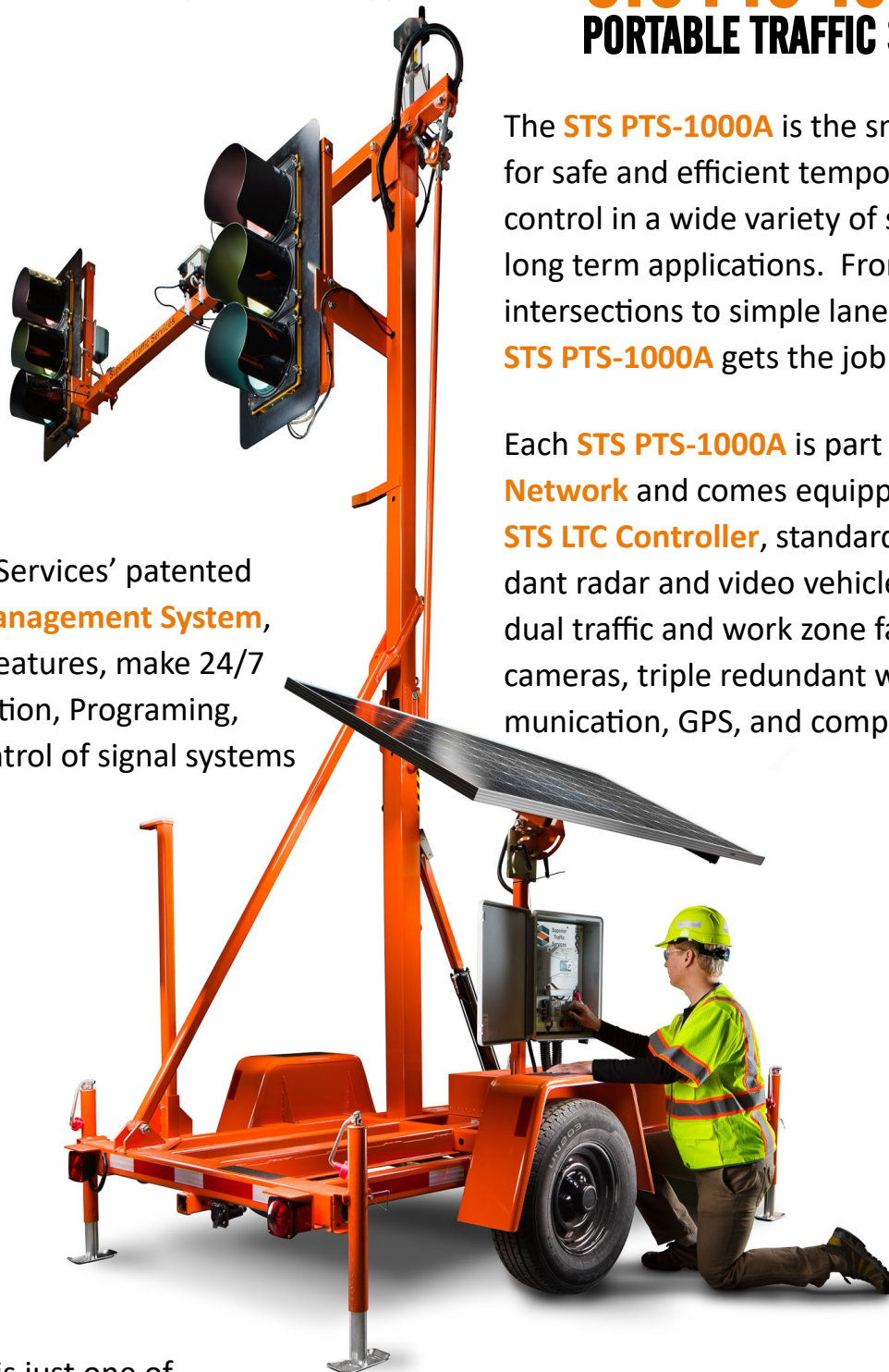
**SUPERIOR** TRAFFIC  
SERVICES  
POWERED BY TESS®

## STS PTS-1000A PORTABLE TRAFFIC SIGNAL

The **STS PTS-1000A** is the smart choice for safe and efficient temporary traffic control in a wide variety of short and long term applications. From complex intersections to simple lane closures, the **STS PTS-1000A** gets the job done.

Each **STS PTS-1000A** is part of our **TESS Network** and comes equipped with the **STS LTC Controller**, standard issue redundant radar and video vehicle detection, dual traffic and work zone facing web cameras, triple redundant wireless communication, GPS, and compass.

The Superior Traffic Services' patented **Real-Time Traffic Management System**, and other optional features, make 24/7 Real-Time Configuration, Programming, Monitoring, and Control of signal systems simple.



The **STS PTS-1000A** is just one of many temporary portable traffic control devices in Superior Traffic Services' **Technology Enabled Smart Signal (TESS)** lineup.



**TECHNOLOGY ENABLED  
SMART SIGNALS**

[superiortrafficservices.com](http://superiortrafficservices.com)

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## STS PTS-1000A SPECS

- 180° Rotation ITE Polycarbonate Signal Heads
- 12" Diameter LEDs w/ Work Zone Safety Light
- 17' Minimum Mast Arm Vertical Clearance
- 9' Mast Arm Reach from Side of Trailer
- 12v w/ 800 Ahr AGM Battery System
- 21 Day Solar Autonomy based on Configuration
- 300 Watt Adjustable Photovoltaic Solar Array
- Electric over Hydraulic Deployment Lift Actuator
- One Person, Simple Deployment
- 4 Leveling and Stabilizing Outriggers
- 2700 lb. +/- Trailer Weight, Narrow 72"W x 112"L
- 2-5/16" Ball Tandem Towable, 28'L Tandem Length

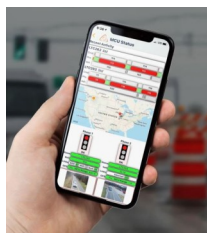


## STS LTC CONTROLLER SPECS

- TESS Real-Time Traffic Management System
- Onboard Operation and System Status Display
- Interchangeable Master/Secondary Designations
- Triple Redundant Wireless Communication Systems: \*900 MHz Radio, 2.4 GHz WiFi, and 3G/4G LTE Cellular
- Programmable Remote Control (1/2 Mile +)
- TESSmobile Smartphone App
- STS Network Watcher Conflict Monitoring
- Pager Alerts to Designated Stakeholders
- Unlimited System Fault and Status Log Storage
- Redundant Video and Radar Vehicle Detection
- Dual Traffic and Work Zone Facing Web Cams
- Live Real-Time Video Feeds with Playback
- Self-Contained with -30° to 135° Operation
- NEMA 4, 4X, & 6 Rated Lockable Enclosure

## OPTIONAL FEATURES & EQUIPMENT

- STS Level II Remote Monitoring and Control
- Video, Radar, RFID and/or Presence Sensing Detection
- Remote Mobile Comm. System (via Satellite Internet)
- Emergency Vehicle and Railroad Preemption Systems
- Bicycle and Workzone Clearance Time Extender
- Wait Time Display and/or Changeable Message Board
- Left Turn and/other custom Signal Head Configurations



**NATIONWIDE DELIVERY + 24 / 7 LIVE REMOTE MONITORING**



# REAL-TIME TRAFFIC MANAGEMENT SYSTEM

**Superior Traffic Services** set the new standard for intelligent Portable Traffic Signal Control systems through the development of its revolutionary, patented intelligent **Real-Time Traffic Management System** and STS TESS LTC Controller.

The **STS Real-Time Traffic Management System (RTTMS)** is the only Portable Traffic Signal Management Software that allows you to Program, Monitor, and Control your Temporary Portable Traffic Signals in Real-Time from anywhere with an internet enabled device. From simple single lane closures to the most complex multi-phase intersections, the **RTTMS** makes work easy for everyone.

All STS Signal Systems come equipped with the STS TESS LTC Controller and standard issue redundant radar & video detection, dual web cameras, and triple redundant wireless communication. With the **RTTMS**, these standard features make 24/7 Real-Time Configuration, Programming, System Status Monitoring, and Live Viewing of Traffic and Work Zones a walk in the park.



**TECHNOLOGY ENABLED  
SMART SIGNALS**

System Status	Name	LTC228	Status	Auto	Sched	No	Mode	Cycling	MCU Volt	12.2 V	MCU Watts	14.4 W	MCU Temp	113.0 F							
Current Profile	Sequencing Signals	Phase #	Name	Grn Max	Grn Min	Grn Idle	Yellow	Clear	Ped Flash	Adv Flash	Solid Green	DMU	Flash Left	Ped Head	Auto-Ped	Adv Flash	SBI	Skip	Hold	Jump	
		1	SB US-95	240	30	12	3	55	0	0		LTC107 Std								Skip	Hold
		2	NB US-95	240	30	12	3	55	0	0		LTC228 Std									Jump

Recent Activity	Dimming	Mode	AutoUpdate	Low Power	31%	Full Power	40%	Dim Before	05:52:22	Dim After	19:49:37	Currently Dimming?	No
LTC107 Cmd													
LTC228 Cmd													

SB US95	Name	LTC107 (NE)
	Volt	12.2V 16.5W
40% 4.4W	Links	900 85 WiFi 100 Cell 84
Event	Temp	104.2 F 71.0 F 62.7 F
OK	Power	Cam1 Cam2 Fan
	Counts	Std: 131099 8347 495
	GPS	Fix, Drift: Unknown MCU Range: 172 m
	Speed	Cur: 7 MPH, Thresh: 5 MPH Radar Sensitivity: 50%, Lockout: 3

NB US95	Name	LTC228 (E)
	Volt	12.4V 18.8W
40% 5.5W	Links	Internal 100
Event	Temp	102.6 F 70.2 F 62.7 F
OK	Power	Cam1 Cam2 Fan
	Counts	Std: 114947 6264 360
	GPS	Fix, Drift: Unknown MCU Range: 3 m
	Speed	Cur: 0 MPH, Thresh: 5 MPH Radar Sensitivity: 99%, Lockout: 3

LTC107-Cam1 2018/08/20 09:29:00

MULTI-LANE VEHICLE DETECTION

Win 1 | 15% | 85 | Win 2 | 15% | 85 | Win 3 | 15% | 85

LTC228-Cam1 2018/08/20 09:29:00

TRAFFIC FACING WEB-CAM

Win 1 | 15% | 85 | Win 2 | 15% | 85 | Win 3 | 15% | 85

LTC107-Cam2 2018/08/20 10:04:49

TIME STAMPED IMAGES

Win 1 | 15% | 85 | Win 2 | 15% | 85 | Win 3 | 15% | 85

LTC228-Cam2 2018/08/20 09:28:59

WORK ZONE FACING WEB-CAM

Win 1 | 15% | 85 | Win 2 | 15% | 85 | Win 3 | 15% | 85

## RTMS DASHBOARD

- Displays RYG Phase and Cycle Values
- Displays Vehicle Demands, Counts, and Gaps
- Displays Current and Historical Cycle Times
- Displays GPS Location Map with Compass
- Displays LTC Systems Status and Temperature
- Displays Current Battery Voltage and History

## REDUNDANCY = RELIABILITY

Each **TESS LTC Controller** contains 3 radios, 900 Mhz radio, 2.4 Ghz WiFi, and Cellular. The LTCs communicate with each other over the strongest of the radio links. With 3 redundant options, you can be sure your signal system is communicating reliably.

## LIVE REMOTE ACCESS

Each Client and Project Stakeholder are given login access to our **RTMS Dashboard Web Interface** and **TESSmobile** Smartphone App. You'll be able to view the same displays our control center is monitoring in Real-Time, including Live time-stamped video images of both traffic and the Work-Zone.

## STS TRAFFIC MANAGEMENT CENTER



The **STS Traffic Management Center** is staffed 24/7/365 by ATSSA Certified Flaggers to continuously monitor the Real-Time Traffic Management System for your Project. **Level 1 Monitoring** includes broad level systematic monitoring by our control center and is standard issue on all STS Signal Systems. **Level 2 Monitoring** includes dedicated staff members closely monitoring all systems and remotely managing traffic around the clock. The **STS Network Watcher** system continuously monitors all systems for early and instantaneous text/pager notification of system status faults or threshold violations. Let the STS Control Center be your next 24/7 Onsite TCS!

# 24 / 7 LIVE REMOTE MONITORING, CONTROL, & ACCESS