

# Automated Ticketing

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# 1280 Truck Scale Kiosk

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PN 225096 shown with options

## Standard Features

- 12-inch 1280 color touchscreen
- Stainless steel or mild steel enclosure
- 1,500 NIT display
- Two serial ports RS-232 or RS-485/422
- Operator prompting
- Formattable tickets
- Transmits weight to remote display
- 120 or 220 VAC
- 460 MB onboard database
- Ethernet TCP/IP (wired and Wi-Fi)
- Web server
- Direct thermal printer
- Internal heater
- Slide door access to ticket
- Works with standard 1280 programs, customization available
- One-year warranty

## Optional Features

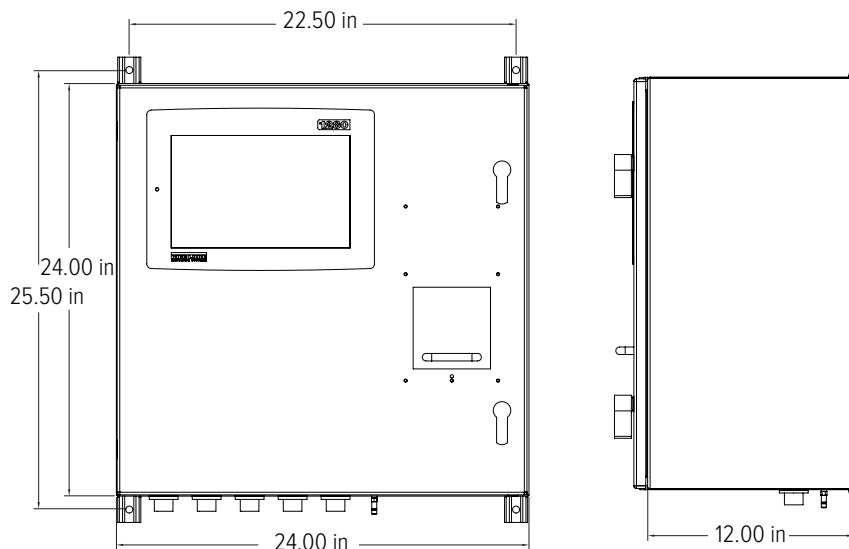
- A/D cards
- RFID reader
- Gate control
- Loop detector input
- QWERTY keyboard
- 12-key keypad
- Credit card reader (US and Canadian currency)
- Stop/Go remote display traffic light control

## Part Numbers/Price

Part#	Description	Price
225096	ATS Kiosk, 1280 Kiosk TOP 12 inch with 1500 NIT Display, 304 Stainless Steel, Thermal Printer, With Printer Slide Door Access and Basket, Heater 115VAC, No A/D	\$13,375.00
199512	ATS Kiosk, 1280 Kiosk TOP 12 inch with 1500 NIT Display, Painted MS Enclosure, Thermal Printer, With Printer Slide Door Access and Basket, Heater 115VAC, No A/D	\$9,825.00
218355	ATS Kiosk, 1280 Inbound 12 inch with 1500 NIT Display, Painted MS Enclosure, NO A/D, 115 VAC	\$7,195.00

## Options/Accessories

Part #	Description	Price
176452	HID smart card reader	\$695.00
119693	200 watt heater	\$925.00
196709	Kiosk option, A/D single-channel, includes DIN rail and terminals	\$665.00
196710	Kiosk option, A/D dual-channel, includes DIN rail and terminals	\$765.00
33490	Relay rack four-channel Opto 22 style with screws	\$125.00
21159	Internal transient protection	\$245.00



# Weigh Out/Printer Kiosk



Shown with optional features

## Standard Features

### Weigh Out/Printer Kiosk

- 920i® HMI with sun shield
- Six serial ports
- 1 MB database memory
- Two option slots
- Slide door access to ticket
- 8-in paper roll
- Operator prompting
- Formattable tickets
- Transmits weight to remote display
- Stop/Go remote display traffic light control
- Direct thermal kiosk printer
- One-year warranty

### Weigh Out/Printer Kiosk Options

- Ethernet TCP/IP (wired and Wi-Fi options available)
- Single or dual channel A/D cards
- RFID reader
- Currency acceptor (US currency only)
- Internal heater
- Gate control
- Loop detector output
- Automated traffic light control
- Credit card reader (US and Canadian currency)

### Consult for the following options

- Stainless steel enclosure
- 230 VAC

## Part Numbers/Price

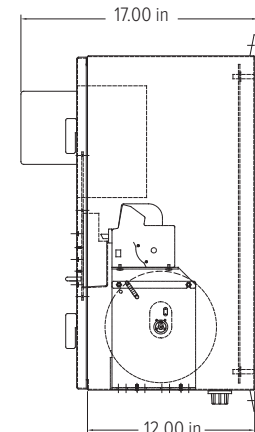
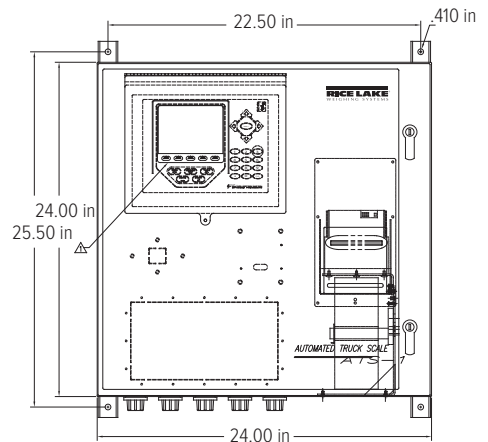
Part #	Description	Price
119687	Weigh out kiosk with 920i® HMI and thermal kiosk printer, 24 × 24 × 12 in painted mild steel enclosure, A/D not included	\$6,695.00

## Options/Accessories

Part #	Description	Price
119691	Vandal-proof 12-key keypad	\$505.00
176452	HID smart card reader	\$695.00
119692	88 key, panel mount Qwerty style keyboard	\$875.00
119693	200 watt heater	\$925.00
119761	Ethernet unmanaged switch, five port	\$315.00
119689	Kiosk option, A/D single-channel, includes DIN rail and terminals	\$395.00
119690	Kiosk option, A/D dual-channel, includes DIN rail and terminals	\$575.00
33490	Relay rack four-channel Opto 22 style with screws	\$125.00
21159	Internal transient protection	\$245.00

## Replacement Parts

Part #	Description	Price
105445	Paper 6 in OD, one ply thermal 80 mm (3.1 in) 710 ft/roll	\$30.00
105446	Paper 8 in OD, one ply thermal 80 mm (3.1 in) 1268 ft/roll	\$32.50
54215	3.15 amp 250V Slo Blo 5 x 20 mm kiosk power input fuse	\$5.00
160025	Power supply, IDEC 12V - 30W	\$185.00
88792	Power supply, IDEC 12VDC - 15W	\$140.00
88793	Power supply, IDEC 24VDC -30W	\$230.00
72682	Network protection, surge	\$80.00
69201	RS-232 protection, TP232	\$190.00
181230	Serial kiosk printer kit (includes printer, bracket assembly, power supply and cables)	\$1,635.00
191359	Ethernet kiosk printer kit (includes printer, bracket assembly, power supply and cables)	\$1,695.00
179762	Direct thermal replacement RS232 printer, kiosk 80 mm DTL	\$1,175.00
203720	Direct thermal replacement TCP/IP printer	\$1,325.00



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# Weigh/Check-in Kiosk

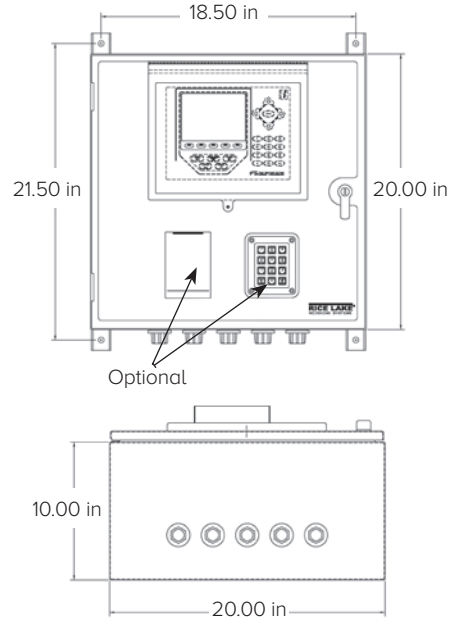


Shown with PN 176452

## Standard Features

### Weigh/Check-in Kiosk

- 920i® HMI with sun shield
- Four serial ports
- 120 VAC
- Two option slots for 920i option cards
- One-year warranty



## Part Numbers/Price

Part #	Description	Price
153353	Check-in kiosk with 920i HMI, 20 × 20 × 12 in painted mild steel enclosure	\$4,315.00

## Options/Accessories

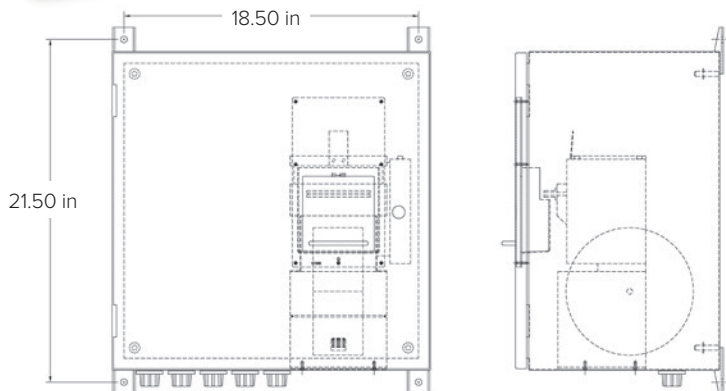
Part #	Description	Price
119691	Vandal-proof 12-key keypad	\$505.00
176452	HID smart card reader	\$695.00
119692	88 key, panel mount Qwerty style keyboard	\$875.00
119693	200 watt heater	\$925.00
119689	Kiosk option, A/D single-channel, includes DIN rail and terminals	\$395.00
119690	Kiosk option, A/D dual-channel, includes DIN rail and terminals	\$575.00

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# Printer Kiosk



PN 112836



## Standard Features

### Direct Thermal Printer Kiosk

- Custom America VKP80II receipt printer
- Slide door access to ticket
- 8-in paper roll
- 1 year warranty

## Specifications

### Line Voltages:

115 or 230 VAC

### Frequency:

50/60 Hz

### Power Consumption:

0.5 amps (depending on options)

### Fusing:

3.15 amps circuit breaker

### Printer Communication Ports:

RS-232 or Ethernet

### Temperature:

Storage:  
14 °F to 158 °F (-10 °C to 70 °C)

### Humidity:

0 to 95% relative humidity

### Warranty:

One-year limited

# Printer Kiosk

Thermal-transfer Printer Kiosk



Basic printer kiosk with optional RFID card reader and optional number keypad

Basic printer kiosk with optional RFID card reader



Basic printer kiosk PN 92971

## Standard Features

### Printer Kiosk

- Painted mild steel enclosure
- Slide door access to ticket
- Zinc-plated 3/4-inch NPT conduit hubs
- Custom America VKP80III direct thermal printer

### Thermal-transfer Printer Kiosk

- Painted mild steel enclosure
- Slide door access to ticket
- Zinc-plated 3/4-inch NPT conduit hubs
- Additional options available upon request

Note: Printer, thermal transfer ribbon and card stock sold separately

## Specifications

**Line Voltages:**  
115 or 230 VAC

**Frequency:**  
50/60 Hz

**Power Consumption:**  
0.5 amps (depending on options)

**Fusing:**  
6 amp circuit breaker

**Printer Communication Ports:**  
RS-232  
Ethernet (optional)

**Temperature:**  
Storage:  
14 °F to 158 °F (-10 °C to 70 °C)

**Humidity:**  
0 to 95% relative humidity

### Current Supported Riser Plates:

- Zebra® 140XIIIPlus
- Zebra 105SL
- Zebra R110Xi
- Zebra Z4Mplus
- Zebra 2746e
- Honeywell 4206
- Honeywell I-4212
- Intermec/Honeywell 3400e
- Intermec/Honeywell 4440

**Warranty:**  
One-year limited

## Part Numbers/Price

Part #	Description	Price
92971	Printer kiosk, inbound base unit 115 VAC (printer not included)	\$3,355.00
112836	Printer kiosk, thermal ticket printer 20 × 20 × 12 in painted mild steel enclosure	\$4,195.00
193639	Printer kiosk, thermal ticket printer (Ethernet), 20 × 20 × 12 in painted mild steel enclosure	\$4,355.00

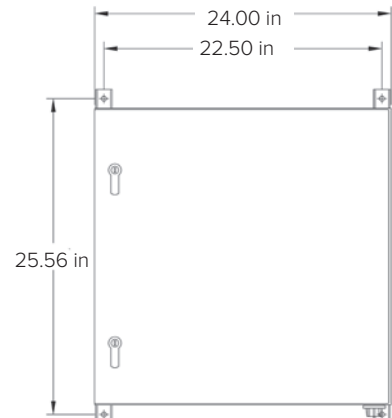
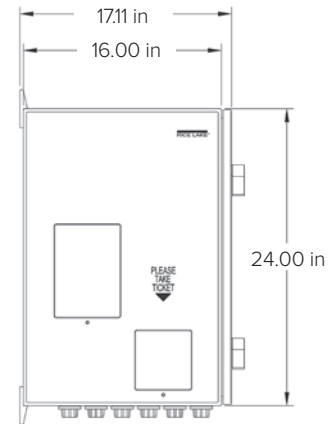
A test plan is included with each kiosk.

## Options/Accessories

Part #	Description	Price
119693	200 watt heater	\$925.00
119946	Single port Ethernet server	\$485.00
120040	Dual port Ethernet server	\$675.00
93463	Printer riser plate for Honeywell I-4212e	\$315.00
93468	Printer riser plate for Intermec/Honeywell 3400e	\$315.00
176452	HID smart card reader	\$695.00
131143	Honeywell I-4212e, direct thermal RS-232, parallel and USB	\$1,595.00
64884	Thermal transfer option Honeywell	\$133.00
131150	Ethernet option Honeywell	\$365.00
109298	Tag, direct thermal, 4 in wide, 7.2 pt continuous 480 ft roll	\$51.00
179762	Direct thermal replacement RS232 printer, kiosk 80 mm DTL	\$1,175.00
203720	Direct thermal replacement TCP/IP printer	\$1,325.00

### Consumables

105445	Paper roll 6 in OD, one ply thermal 80 mm (3.1 in) 710 ft per roll	\$30.00
105446	Paper roll 8 in OD, one ply thermal 80 mm (3.1 in) 1268 ft per roll	\$32.50
89190	Thermal transfer tag stock 4 in wide, 7.5 pt continuous 400 ft roll	\$46.25
34056	Transfer ribbon, 4 in wide GPR Plus black 1181 ft roll	\$30.50



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# Intercom Kiosk



## Part Number/Price

Part#	Description	Price
215451	Ethernet intercom	\$2,625.00

## Standard Features

- Moisture and puncture resistant speaker
- Three-layer steel baffle protects speaker from tampering
- Hands-free communication
- Weather and vandal resistant
- FRP enclosure

## Specifications

### Wiring:

CAT5 to Ethernet adapter

### Dimensions:

(L × W × H)  
14 × 12 × 8 in  
(355 × 304 × 203 mm)

### Communication:

PC software functions as base station for networked intercom system

TalkMaster™ FOCUS, download directly from [www.digitalacoustics.com/talkmaster-focus-software-download/](http://www.digitalacoustics.com/talkmaster-focus-software-download/)

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# Network Cameras



License Plate Recognition



Remote Monitoring

## Remote Monitoring Specifications

### Read Range:

10 to 82 ft (3 to 25 m)

### Interface:

10 Base-T/100 Base TX Ethernet (RJ-45)

### Operating System:

Microsoft Windows® 10/8/7

### Web Browser:

Chrome 58 or above, Internet Explorer 10/11

### Power Input:

IEEE 802.3af PoE Class 0 (Power Redundancy)

### Power Consumption:

PoE: Max. 10.77/7.77 W (IR on/off)

### Night Illumination Range:

164 to 328 ft (50 to 100 m) with Smart IR II

### Dimensions:

5.75 × 11.34 in (146 × 288 mm)

### Temperature:

Operating:  
IR off: -40 °F to 140 °F (-40 °C to 60 °C)  
IR on: -40 °F to 122 °F (-40 °C to 50 °C)

### Weight (including bracket):

3.5 lb (1.6 kg)

### Rating:

IP66

### Approvals:

CE  
BIS  
FCC Class A

## License Plate Recognition Specifications

### Read Range:

10 to 82 ft (3 to 25 m)

### Image Sensor:

2 megapixels  
1/2.8 in CMOS sensor

### Frame Rate:

25 FPS

### Interface:

LAN (weatherproof standard RJ-45)  
10/100 Mbps  
Ethernet interface Wi-Fi (for easy setup)  
Relay control (1 input, 2 outputs)  
Wiegand

### Power Input/Network:

24 to 48 V DC, PoE+ IEEE 802.3 at  
Requires CAT 5e or better network, POE+ network switch or 24 to 48 VDC power supply

### Power Consumption:

Average 18 W, max 25 W

### Dimensions:

4.0 × 7.0 × 11.5 in  
(102 × 180 × 290 mm)

### Weight:

6.5 lb (2.95 kg)

### Rating:

IP66

### Temperature:

Operating:  
-40 °F to 140 °F (-40 °C to +60 °C)

### Humidity:

0% to 95% RH

### Approvals:

IEC 62368-1, Electrical Safety General  
IEC 60950-22, Electrical Safety Outdoor  
IEC 62471, Photobiological  
EN 55022:2010, Emissions  
EN 55024:2010, Immunity  
IEC 60068-2-27 Ea, Shock  
IEC 60068-2-64 Fh, Vibration  
UL94 HB, Flammability  
RoHS directive 2002/95/EC and RoHS2 directive 2011/65/EU

## Part Number/Price

Part #	Description	Price
<b>Remote Monitoring Camera</b>		
163175	Ethernet camera 2-megapixel CMOS sensor	\$1,500.00
131605	Power supply, POE injector, power cord not included	\$205.00
15438	Power cord	\$35.00
<b>License Plate Recognition Camera</b>		
220688	Camera, LPR License Plate Recognition, requires CAT 5e or better network, POE+ network switch or 24-48VDC power supply.	\$8,045.00
220690	Mounting bracket, LPR Camera. Universal mounting bracket for license plate recognition camera.	\$245.00
220691	Cable power & relay LPR camera power cable	\$125.00

# Network Components



PN 221451



PN 119761



PN 197373



PN 65383



PN 120041

## Specifications PN 119761

**Power:**

12 to 48 VDC, 2.88 watts maximum

**Serial Connectors:**

5 × RJ45, 6-pin removable screw terminal (power)

**Communication Ports:**

Ethernet 10/100 Base-T

**Temperature:**

Operating:  
50 °F to 140 °F (10 °C to 60 °C)

**Humidity:**

10% to 95%

**Installation/Style:**

DIN rail mounting

## Specifications PN 65385 and PN 120041

**Power:**

9 to 30 VDC, 1.8 Watts maximum, wall adapter included

**Serial Interface:**

RS-232, RS-422 or RS-485

**Serial Connectors:**

(UDS 1100) 1 × DM25F,  
(UDS 2200) 2 × DB9M

**Communication Ports:**

Ethernet 10/100 Base-T, 1 × RJ-45 connector

**Temperature:**

Operating:  
32 °F to 140 °F (0 °C to 60 °C)

**Humidity:**

10% to 90%

**Installation/Style:**

Desktop or panel use

## Specifications PN 221451 and PN 197373

**Power:**

12 to 48 VDC, 4.1 watts maximum

**Serial Interface:**

RS232, RS422 or RS485 software selectable

**Serial Connectors:**

DB9, EKI-1524 also include terminal block

**Communication Ports:**

Ethernet 10/100Base-T, 1 × RJ45 connector

**Temperature:**

Operating:  
14 °F to 140 °F (10 °C to 60 °C)

**Humidity:**

10% to 95%

**Installation/Style:**

DIN rail mounting

## Part Number/Price

Part#	Description	Price
221451	Ethernet Serial Server Dual serial port (2-9 pin connectors)1 Ethernet 10/100 (RJ45) DIN rail mounting. (2x5 pin terminal blocks for RS422/485 only)	\$875.00
197373	Ethernet serial server four serial port (DB-9) one Ethernet 10/100 (RJ45) DIN rail mounting	\$1,000.00
119761	Ethernet Unmanaged Switch Requires 12 To 36 VDC ESW105, Industrial 5 port, UL E180881	\$315.00
65383	Converter, Ethernet Thin Server UDS-1100, 10/100 RJ45 232 to Ethernet	\$397.00
120041	Converter, Ethernet Thin Server UDS2100, 10/100 RJ45 232 to Ethernet Dual Serial Ports. Includes Power Transformer	\$495.00

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# Remote HID Box

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## Standard Features

- Self-contained HID reader with Weigand to RS-232 converter with power supply
- Indoor/outdoor
- Use with 920i®, 1280 indicators and kiosk systems
- Requires special programming

## Specifications

### Power Supply:

120 VAC input at 10 W, 5 VDC Output 2 at amp

### Read Range\*:

2.5 to 4.5 in (6.3 to 11.4 cm) with HID iCLASS® card  
 1.0 in (2.5 cm) with HID iCLASS key  
 1.0 in (2.5 cm) with HID iCLASS tag  
 1.5 to 2.0 in (3.8 to 5.0 cm) with HID iCLASS prox  
 1 to 2 in (2.5 to 5.0 cm) with MIFARE® card (serial number only)

*\*Using ISO 15693 mode (except MIFARE®). Dependent upon installation conditions. Please note that all iCLASS credentials are available in either a 2 K bits (256 Bytes) or 16Kbits (2 KBytes) configuration.*

### Transmit Frequency:

13.56 MHz

### Cable Distance:

RS-232-C 50 ft

## Specifications Continued

### Current Requirements (Avg/Peak):

80/260 mA at 12 VDC

### Material:

FRP

### Dimensions:

(L × W × H)  
 10.50 × 8.91 × 6.25 in  
 (267 × 226 × 159 mm)

### Temperature:

Operating: -31 °F to 150 °F (-35 °C to 65 °C)

### Humidity:

5 to 95% RH (non-condensing)

### Weight:

8.8 oz (249.5 g)

### Pending Certifications:

Taiwan, Singapore, Germany VdS

### Approvals Power Supply:

CE Marked  
 TUV  
 UL61010/cUL  
 CSA C22.2 o. 107.1  
 UL1604: Class I Div 2  
 EN 50175  
 LVD: EN662368  
 EMC: Directive EN61204-3  
 EMI: Class B, EMS Industrial

### Pending Approvals HID:

Taiwan, Singapore, Germany VdS

### Approvals HID:

UL 294/cUL  
 FCC Certification  
 Canada Certification  
 CE Mark (Europe)  
 New Zealand  
 Australia c-Tick

## Part Number/Price

Part #	Description	Price
220144	HID Box, remote	\$2,545.00

# HID Long Range Readers



## Standard Features

- Discreet hands-free authentication solution for long range parking, gate control and truck identification
- IP65 rating allows outdoor mounting
- Supports Wiegand standards
- Requires Wiegand converter, consult with a sales engineer with application specifics

## Specifications

### Read Range:

9.8 to 16.4 ft (3 to 5 m)

### Color:

Black

### Mounting:

Drill mounting box to meet application  
 Drill points provided for US and EU wall boxes, and 75 mm, 100 mm and 200 mm VESA mounts

### Transmit Frequency:

865 to 868 MHz/902 to 928 MHz  
 dependent on regional regulations

### Dimensions:

(L × W × H)  
 9.10 × 9.10 × 2.75 in  
 (231 × 231 × 70 mm)

### Rating/Material:

IP65  
 UL94 Polycarbonate

### Temperature:

Storage:  
 -67 °F to 185 °F (-55 °C to 85 °C)  
 Operating:  
 -30 °F to 150 °F (-35 °C to 65 °C)

### Humidity:

5% to 95% RH non -con densing

### Approvals:

UL 294/cUL, CB Scheme  
 FCC Certification  
 IC (Canada)  
 CE (Europe)  
 IFETEL (Mexico)

## Part Number/Price

Part #	Description	Price
184458	Reader, Long Range HID iClass SE U90, use 184459 HID cards. UHF Reader 902-928 MHz	\$1,995.00
184459	UHF Credentials SIO Enabled UHF long range card, for use with 184458. HID 600TGGAN	\$15.00
184466	Windshield mount	\$10.50
220769	Converter, Weigand/RS232 FRP enclosure, includes: Weigand to RS232 converter, 5 VDC and 24 VDC power supply, terminals for field wiring.	\$1,025.00
225411	Mount, for use only when mounting with kiosk pole and swing-arm	Consult
226003	Kit, wallmount bracket	Consult



## Standard Features

### TransCore® SmartPass® RFID Reader

- Fully self-contained, integrated reader
- Ideal for truck scales, and parking and access control applications
- 915 MHz RF band operation
- Compatibility with a wide range of industry-standard formats
- Weatherproof enclosure
- Quick, simple installation by trained, authorized personnel
- Programmable RF power
- Compatible with a variety of RFID tag options including half and full frame RFID tags (beam or battery powered) as well as windshield RFID tag options (beam or battery powered)

## Specifications

### Input Power:

16 to 20 VAC, 47 to 63 Hz, or 16 to 28 V DC

### Vibration:

0.5 grams, 10 to 500 Hz

### Frequency Range:

902 to 928 MHz

### RF Control:

By sense output or host command

### Polarization:

Linear, horizontal

### Read Range:

Read performance varies depending on tag and reader configuration and environment  
Read range for all the SmartPass E4 Reader is 12 ft (3.7 m) typical to 17 ft (3.7 m) maximum

### I/O Control:

Input: Two independent dry contact closures for sense circuits

Output: Two independent Form-C contacts

### Mounting Surface:

Mount to pole or wall, indoor or outdoor

### Enclosure:

Tamper-proof, polycarbonate housing

### Temperature:

Operating:  
-40 °F to 131 °F (-40 °C to 55 °C)

### Humidity:

100% condensing

### Dimensions:

(L x D x W)  
15.5 x 15.5 x 3.25 in  
(393 x 393 x 83 mm)

### Weight:

9.5 lb (4.3 kg)

## Part Number/Price

Part #	Description	Price
108201	SmartPass E4 reader only	\$6,725.00
162431	18 VAC power supply	\$47.00
86401	5 ft interface cable	\$165.00
162430	20 ft interface cable	\$330.00
86403	35 ft interface cable	\$490.00
162432	Pole/wall mount bracket	\$145.00

# Multiprotocol Rail Reader and Parapanel Antenna



## Standard Features

### Multiprotocol Rail Reader

- Designed for railroad applications
- Fixed mount, integrated package (reader and RF module)
- Reads Association of American Railroads (AAR) format tags and SuereGo® (SeGO) protocol tags
- Supports tag and mutual authentication
- 902 to 928 MHz RF range operation in North America
- Real-time clock
- Tag read buffering
- Programmable RF output power
- Programmable frequency
- Supports up to two AT5720 Check Tags
- Multiplexes up to four antennas

## Parapanel Antenna

### Standard Features

- Asymmetrical broadcast pattern
- Low-profile design
- Weatherproof enclosure
- UV-tolerant and corrosion-resistant construction

## Part Number/Price

Part #	Description	Price
Consult	Please consult sales engineer to ensure proper system for application	Consult

# RFID Access Tags



PN 157184



PN 157185

## Standard Features

### RFID Access Tags

- Interior mounting on non-metallized windshield
- Impact resistant, molded plastic case
- Slim profile
- Non-battery for extended service life (AT5402)
- Dual-frequency (915 and 2450 MHz, AT5406)

## Specifications

### Power Source:

- AT5402: Beam-powered
- AT5406: Lithium battery

### Frequency Range:

- AT5402: 902 to 928 MHz
- AT5406: 902 to 928 MHz/2425 to 2475 MHz

### Read Range:

- AT5402: 5 to 10 ft (1.5 to 3 m)
- AT5406: 5 to 35 ft (1.5 to 11 m)

### Polarization:

- Parallel with longer side

### Data Capacity:

- Up to 10 alphanumeric characters (60 available bits) or Wiegand 26 to 54 bit formats

### Service Life:

- AT5402: >10 years
- AT5406: Eight-year lithium battery (typical life)

### Case Material:

- Weatherproof, polycarbonate alloy, UV stabilized

### Mounting Surface:

- Interior: Non-metallic windshield

### Mounting Method:

- Semi-permanent mounting: Double-sided tape
- Removable mounting: Adhesive-backed hook-and-loop material attached to the tag and vehicle windshield

### Temperature:

- Operating: -40 °F to 185 °F (-40 °C to 85 °C)

### Dimensions:

- (L × W × H)
- AT5402: 3.60 × 2.30 × 0.27 in (92 × 59 × 7 mm)
- AT5406: 4.50 × 2.50 × 0.70 in (114 × 64 × 18 mm)

### Weight:

- AT5402: 1.4 oz. (40 g)
- AT5406: 3.5 oz. (99 g)

## Part Number/Price

Part #	Description	Price
157184	AT5402 windshield tag beam power	\$42.00
157185	AT5406 windshield tag with battery	\$58.00
159518	Programming fee	\$310.00

Note: Programming fee applies if ordering fewer than 100 tags

AUTOMATED TICKETING

# RFID Transportation Tags



## Standard Features

### RFID Transportation Tags

- Harsh environment durability
- Factory sealed case
- Non-battery for extended service life (AT5412)
- Dual-frequency (915 and 2450 MHz, AT5414)

## Specifications

### Power Source:

- AT5412: Beam
- AT5414: Lithium battery for a typical eight-year life

### Frequency Range:

- AT5412: 902 to 928 MHz
- AT5414: 902 to 928 MHz/2425 to 2475 MHz

### Read Range:

- AT5412: 5 to 10 ft (1.5 to 3 m)
- AT5414: 5 to 35 ft (1.5 to 11 m)

### Polarization:

- Parallel with longer side

### Data Memory Capacity:

- SeGo and eGo Modes: 2048 bits
- ATA Mode: 60 bits

### Case Material:

- Weatherproof, polycarbonate, UV-stabilized case that is sealed after programming

### Mounting Surface:

- Any smooth metallic surface

### Mounting Method:

- Mount to any flat smooth metal surface using bolts, screws or blind rivets

### Dimensions:

- (L × W × H)
- AT5412: 9.30 × 2.38 × 0.69 in (236 × 60 × 18 mm)
- AT5414: 9.32 × 2.39 × 0.75 in (237 × 61 × 19 mm)

### Temperature:

- Operating: -40 °F to 185 °F (-40 °C to 85 °C)

### Weight:

- AT5412: 5.3 oz (150.2 g)
- AT5414: 6.6 oz (187 g)

## Part Number/Price

Part #	Description	Price
86399	AT5412 transportation tag 1/2 frame beam power	\$63.00
157188	AT5414 transportation tag 1/2 frame with battery	\$79.00
159518	RFID programming fee	\$310.00

Note: Programming fee applies if ordering less than 100 tags

# HID RFID Cards



## Standard Features

### HID RFID Cards

- Offer sufficient read/write memory to store multiple biometric templates
- Available in a 2 or 16 application area configuration
- Offer multiple, securely separated areas to enable numerous applications, including the HID standard access control application
- Future growth for new read/write applications
- ISO 15693 and 14443B2 standards for read/write contactless communication
- Cost-effective way to enhance the security of your access control installation
- Close range

## HID RFID Readers

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## Standard Features

### HID RFID Readers

- More powerful and versatile access control
- User-friendly proximity technology
- Uses the 13.56 MHz technology platform
- High-intensity, three-color light bar provides clear, visual feedback, even in direct sunlight
- Selectable, distinct tone sequences indicate status conditions
- All RF data transmission between the card and reader is encrypted using a secure algorithm
- Close range

## Specifications

### Power Supply:

10 to 16 VDC reverse voltage protected  
Linear supply recommended

### Read Range\*:

2.5 to 4.5 in (6.3 to 11.4 cm) with HID iCLASS® card  
1.0 in (2.5 cm) with HID iCLASS key  
1.0 in (2.5 cm) with HID iCLASS tag  
1.5 to 2.0 in (3.8 to 5.0 cm) with HID iCLASS prox  
1 to 2 in (2.5 to 5.0 cm) with MIFARE® card (serial number only)

*\*Using ISO 15693 mode (except MIFARE®). Dependent upon installation conditions. Please note that all iCLASS credentials are available in either a 2K bits (256 Bytes) or 16Kbits (2 KBytes) configuration.*

### Transmit Frequency:

13.56 MHz

### Current Requirements (Avg/Peak):

80/260 mA at 12 VDC

### Material:

UL94 polycarbonate

### Cable Distance:

Wiegand interface: 500 ft (150 m)  
Recommended cable is ALPHA 1295 (22AWG)  
Five-conductor stranded with overall shield or equivalent. Additional conductors may be required to connect all outputs.

### Dimensions:

(L × W × H)  
3.30 × 0.85 × 4.80 in  
(84 × 22 × 122 mm)

### Temperature:

Operating: -31 °F to 150 °F (-35 °C to 65 °C)

### Humidity:

5 to 95% RH non-condensing

### Weight:

8.8 oz (249.5 g)

### Pending Certifications:

Taiwan, Singapore, Germany VdS

### Approvals:

UL 294/cUL  
FCC Certification  
Canada Certification  
CE Mark (Europe)  
New Zealand  
Australia c-Tick

## Part Number/Price

Part #	Description	Price
176452	HID smart card reader, includes Wiegand to RS232 converter and mounting hardware	\$695.00
88792	Power supply, IDEC 12 VDC output, 85 VAC input, required for 176452 above	\$140.00
85902	iClass Smart Card pack 1 to 25 13.56 MHz	\$255.00
85903	iClass Smart Card pack 26 to 50 13.56 MHz	\$255.00
85904	iClass Smart Card pack 51 to 75 13.56 MHz	\$255.00
85905	iClass Smart Card pack 76 to 100 13.56 MHz	\$255.00
95358	Card, HID unprogrammed configured 256 byte no slot punch - MUST BE FACTORY PROGRAMMED	\$15.00
212168	Card, HID unprogrammed configured 256 byte vertical slot	\$15.00

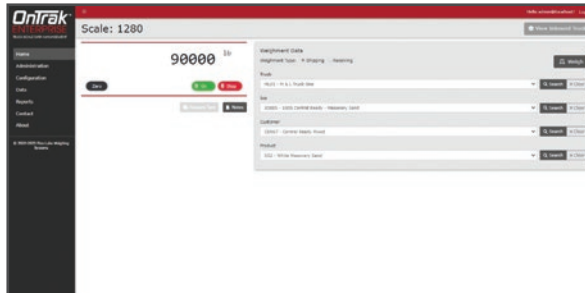
Keyfob and disc tags optional—consult for price.



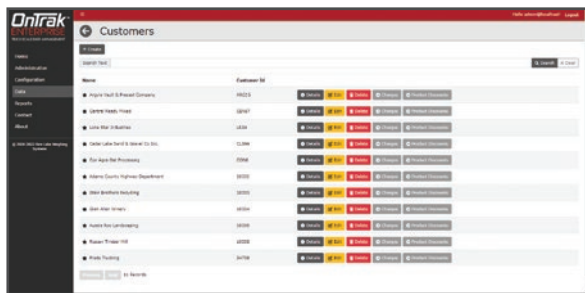
HID card (PN 212168)

# OnTrak® ENTERPRISE

TRUCK SCALE DATA MANAGEMENT



Weigh Screen



Customer Screen Main

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## Standard Features

- Comprehensive transaction management
- Unlimited charge and discount amounts per product
- Calculates tax
- Ship or Receive mode for each transaction
- Assign one of four security levels to each user
- Exclusive databases for customer, hauler, truck, product, job, price/discount, tax and transaction
- Filter reports to view relevant information
- Customizable generated tickets
- Back up and restore through the included utility, or via SQL Server Management Studio available through Microsoft
- Software supports unlimited number of scales, number of scales supported is dependent on user's hardware
- Webserver for on-premises access through the local area network, systems integration and data monitoring
- A supported web browser (Google® Chrome®, Microsoft® Edge®, Mozilla® Firefox® or Apple® Safari®)

## Optional Features

- 1280 kiosk interface
- REST API
- Image capturing\*
- License plate recognition\*
- Automated 'real-time' transaction export to Azure Blob Storage and/or AWS S3\*\*

\*User must purchase SQL Server Standard when using cameras for image capturing or license plate recognition

\*\*User must obtain their own Azure Blob Storage or AWS S3 account. Rice Lake does not provide cloud hosting.

## Specifications

### Systems Requirements:

Windows® 10 or newer (x64 systems)

### Databases:

10 GB max database size when using included Microsoft SQL Server Express

\*Unlimited database size when using a purchased edition of Microsoft SQL Server (required when using image capturing or license plate recognition)

### Communications:

Supports all Rice Lake indicator interfaces and 1280-based Automated Ticketing Kiosks Interface to non-Rice Lake weigh indicators (call for details, indicator required for testing of created driver, Ethernet TCP/IP required)

### Transaction Ticket:

User defined ticket formatting

### Export Data:

File export of completed transactions via: XML, JSON, CSV or TXT

### Software Support:

Database configuration, field installation and training available  
Phone support packages available  
Contact Rice Lake for further options

### Approvals:

NTEP 23-098

## Approvals



## Part Numbers/Price

Part #	Description	Price
218502	OnTrak Enterprise Base Software	\$3,495.00
<b>Modules</b>		
218503	License, Kiosk Module OnTrak Enterprise	\$795.00
218504	License, API Module OnTrak Enterprise	\$695.00
218505	License, Image Capture Module OnTrak Enterprise	\$695.00
218506	License, LPR Module OnTrak Enterprise, License Plate Recognition	\$595.00
231018	License, OnTrak Enterprise, Cloud Data Warehousing	\$295.00
<b>Annual Maintenance Agreements (AMA)</b>		
218507	OnTrak Enterprise AMA for Base Software	\$699.00
218508	OnTrak Enterprise AMA for Kiosk Module	\$159.00
218509	OnTrak Enterprise AMA for API Module	\$139.00
218510	OnTrak Enterprise AMA for Image Capture Module	\$119.00
218511	OnTrak Enterprise AMA for LPR Module	\$119.00
231017	OnTrak Enterprise AMA for Cloud Data Warehousing	\$79.00

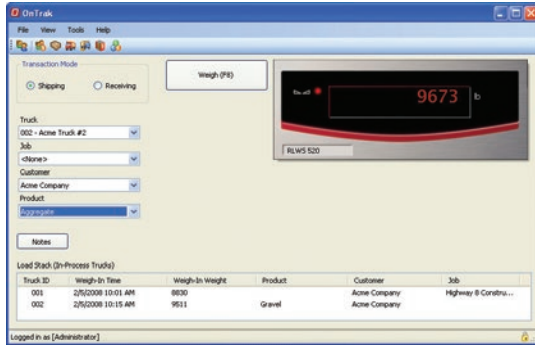
Note: Annual Maintenance Agreements (AMA) are required. Billable after year two.

## Options/Accessories

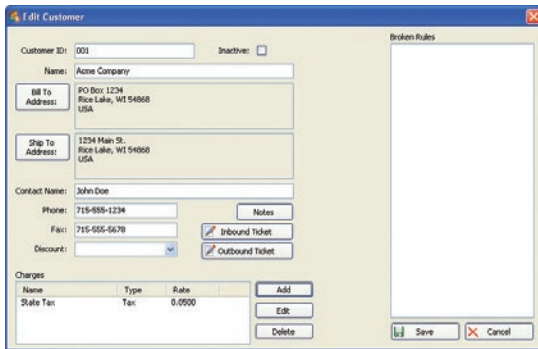
Part #	Description	Price
Consult	Non-Rice Lake indicator interface	\$295.00
Consult	Custom reports	\$255.00/hour
104789	Phone support, one hour	\$145.00

# OnTrak®

TRUCK SCALE DATA MANAGEMENT



Weigh Scale



Customer Account Information

Approvals



Part Numbers/Price

Part #	Description	Price
104787	OnTrak activation code	\$1,495.00
101062	OnTrack Software, USB	\$84.00

OnTrak trial at [www.ricelake.com/ontrak](http://www.ricelake.com/ontrak)

Options/Accessories

Part #	Description	Price
Consult	Non-Rice Lake indicator interface	\$295.00
Consult	Custom reports	\$255.00/hour
Consult	Database configuration	\$255.00/hour
FLD-INSTALL	Field installation	\$1,395.00/weekday plus expenses
104789	Phone support, one hour	\$145.00
101003	Additional OnTrak manual	\$65.00

Standard Features

- Supports systems using Windows® 10 and newer
- Microsoft SQL Server Express client/server database (free edition)
- Comprehensive report filters
- User and administrator roles
- Back up and restore via SQL Server Management Studio freely available through Microsoft
- Unlimited charge/discount per product
- Ship or Receive mode for each transaction
- Exclusive database for: customer, hauler, truck, product, job, price/discount, tax, transaction
- Ethernet TCP/IP or RS-232 connectivity
- Supports VIRTUi/VIRTUi2® or Rice Lake weight indicators
- CSV transaction file export
- Supports one or two scales

Optional Features

- Image capture with Ethernet camera TCP/IP (requires SQL Server Standard or better through Microsoft)
- Interface to non-Rice Lake weight indicators (call for details, indicator and technical manual required for testing of created driver)
- Custom reports
- Database configuration
- Field installation and training
- Factory phone support

Specifications

System Requirements:

Windows® 10 and newer (x64 systems)

Databases:

10 GB max database size when using included Microsoft SQL Server Express  
 Unlimited database size when using a purchased edition (contact Microsoft for details on purchasing a licensed edition of SQL Server)

Communications:

Support for multiple printers  
 Supports all Rice Lake indicator interfaces  
 Supports VIRTUi/VIRTUi2 interface  
 920i® based Automated Ticketing Kiosks  
 Optional drivers available for non-Rice Lake weight indicators

Transaction Ticket:

User defined ticket formatting

Reports:

Comprehensive report filters  
 Optional custom reports

Export Data:

File transfer via XML transaction; exported reports can be saved as PDF/XLS; configurable transaction data export in CSV file format

Transaction Calculations:

Unlimited product prices and discounts  
 Tax calculations (does not integrate directly to financial software)

Software Support:

Database configuration, field installation and training available  
 Phone support packages available  
 Contact Rice Lake for further options

Approvals:

NTEP 05-107

AUTOMATED TICKETING

# Kiosk Safety Swing-away Arm



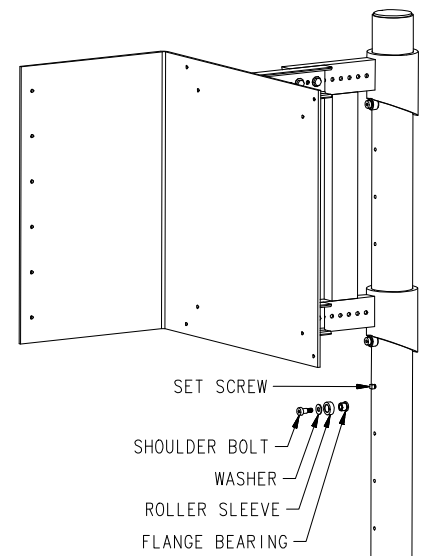
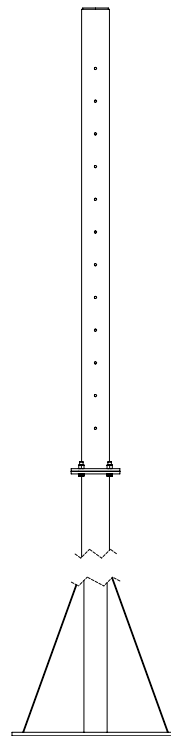
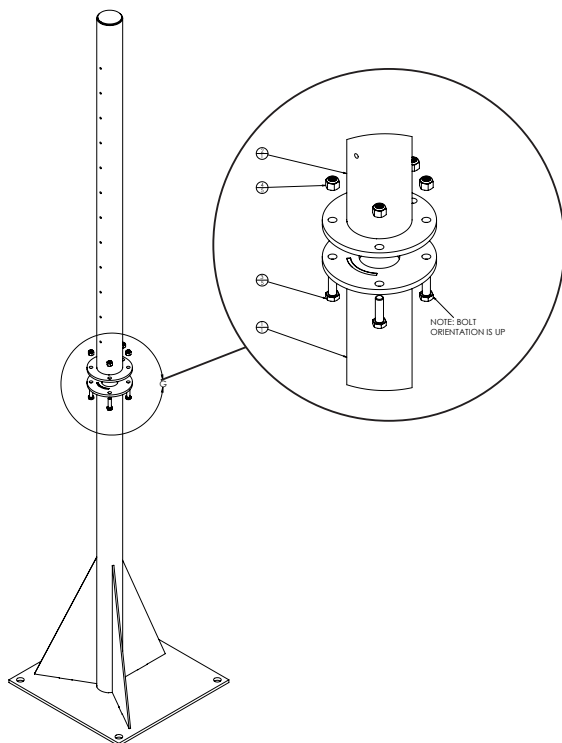
## Standard Features

- Protects kiosk from vehicle traffic
- Swings away freely and returns to center position
- Universal mount accommodates a wide variety of kiosks
- Includes mounting pole and base stand
- Adjustable vertical and horizontal mounting

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## Part Number/Price

Part #	Description	Price
109164	Complete kit for pit type scale (10 ft pole, red)	\$1,645.00
109163	Complete kit for aboveground scale (12 ft pole, red)	\$1,675.00
105939	Weldment, swing arm, kiosk (red)	\$895.00
105941	Pole weldment, 10 ft supported/free standing, 4.0 in O.D. (red)	\$695.00
105940	Pole weldment, 12 ft supported/free standing, 4.0 in O.D. (red)	\$775.00
110606	Weldment, swing arm 24 × 24 × 16 in side discharge printer kiosk (red)	\$895.00
155435	Weldment, swing arm 30 × 24 × 16 in side discharge printer kiosk (red)	\$1,145.00
178074	Complete kit for pit type scale (10 ft pole, yellow)	\$1,645.00
178073	Complete kit for aboveground scale (12 ft pole, yellow)	\$1,675.00
178077	Pole weldment, 10 ft supported free standing 4.0 in O.D. (yellow)	\$695.00
178076	Pole weldment, 12 ft supported free standing 4.0 in O.D. (yellow)	\$775.00
178075	Weldment, swing arm kiosk (yellow)	\$895.00
160403	Mount, swing arm pole for SURVIVOR ATV truck scale	\$1,295.00
225411	Mount for HID long range readers	Consult





# Traffic Light Kits



Traffic Light

## Standard Features

### Light

- Housing meets or exceeds ITE specifications
- Stainless steel hardware
- 8-in LED lights, enclosure injection molded polycarbonate
- LED modules
- Compliant to ITE UTCSH - LED circular signal
- Temperature compensated power supplies for long LED life
- Conformal coated power supplies
- Intertek/ETL certified and listed on ETL certification program

### Pole

- 4.5 in outer dimension aluminum pole
- Cast aluminum base mounts to concrete with four anchor bolts
- Base underside has integrated anchor bolt guide to ensure proper anchor placement.
- Removable 8 in access door for cable splicing and bolt attachments (H x W) 15 x 13-3/4 in

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## Part Number/Price

Part #	Description	Est. Weight	Price
23146	2 Section, with mounting hardware for 4.5 in pole 120 VAC LED	25 lb	\$1,025.00
85789	Kit, traffic light pole. Includes 8 ft aluminum pole, base & four 18 in anchors. Bolts with nuts and washers. Option: Pole cap (PN 179172)	70 lb	\$1,055.00
179172	Aluminum pole cap, 4.5 in (for use when traffic light not mounted on pole)	-	\$59.00
87111	Side mount brackets include 12 in nipples and universal hubs, bracket, aluminum upper and lower assembly	10 lb	\$240.00
84504	Anchor bolt with nut washer	2 lb	\$13.00
160242	Kit, dual traffic light includes (2) 23146 traffic lights, (2) 85789 traffic light poles (1) 160208 and electrical drawing (170218)	-	\$5,395.00
160208	Control panel, dual traffic light	-	\$975.00
156106	Buzzer box, 115 VAC	-	\$795.00
163734	Switch box, remote includes legend plates for Zero, Print, Tare, Cancel and Accept	-	\$315.00



Anchor bolt with nut and washer



Side Mount Brackets



Control Panel



Buzzer Box



Switch Box



Traffic Light Pole

# Vehicle Loop Detector



## Standard Features

### Vehicle Loop Detector

- Loop diagnostics
- Loop isolation transformer
- Loop conditioner
- Aluminum RF shield housing
- Surge protection
- Loop frequency counter
- 10 gold-plated sensitivity controls
- Eight gold-plated function controls
- Six gold-plated controls for frequency, reset and frequency counter
- Two high-intensity LED indicators
- Two relays—relay 2 is pulse or presence

## Specifications

### Power:

12 VAC/DC, 24 VAC, 24 VDC, 110 VAC, 220 VAC, maximum current draw 100 mA

### Output Relays:

5A/125 VAC standard version, 1A/125 VAC low current version

### Connector:

86CP11 compatible with 11-Pin Octal DIN-rail mountable socket or wire harness

### Enclosure Material:

Extruded anodized aluminum

### Enclosure Dimensions:

(L × W × H)  
3.25 × 2.56 × 3.65 in  
(83 × 40 × 90 mm)

### Loop Dimensions:

4 × 6 ft thru 4 × 12 ft standard, custom sizes available

### Loop Diameter:

0.26 in

### Lead-in-Wire:

50 ft long, twisted wire in PVC jacket

### Temperature:

Operating: -40 °F to 180 °F (-40 °C to 82 °C)

### Loop Approvals:

UL subject 13, Type PLTC 300 V, 90 °C passes IEEE-328.210,000, BTU Flame Test Pennsylvania, Bureau of Deep Mine Safety, Approval P-MWMS-1-85

## Part Number/Price

Part #	Description	Price
Consult	Relay box for additional I/O control	Consult
171093	Vehicle Detector includes pre-wired loop detectors, terminals for wiring lead wires from loops and power source. (loops not included)	\$1,355.00
78986	Loop, vehicle detection preformed, 4 ft x 8 ft loop, 50 ft lead in wire	\$275.00
86758	Loop, vehicle detection preformed, 4 ft x 10 ft loop, 50 ft lead in wire	\$275.00

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# EMX Lite Preformed Loops



## Standard Features

### EMX Lite Preformed Loops

- Rugged and flexible TPE tubing
- Electronic lightning protection of vehicle detectors
- Comes standard with 50 ft of twisted and jacketed lead-in wire
- Vehicle detection loop is constructed of stranded wire conductors with thermoplastic elastomer insulation jacketing
- Outer shell is flexible nonmetallic 0.26 in tubing
- Two relays—relay 2 is pulse or presence
- Loop installation requires backer rod and epoxy sealant provided by others

## Specifications

### Power:

12 VAC/DC, 24 VAC, 24 VDC, 110 VAC, 220 VAC, maximum current draw 100 mA

### Output Relays:

5A/125 VAC standard version, 1A/125 VAC low current version

### Connector:

86CP11 compatible with 11-Pin Octal DIN-rail mountable socket or wire harness

### Enclosure Material:

Extruded anodized aluminum

### Enclosure Dimensions:

(L × W × H)  
3.25 × 2.56 × 3.65 in  
(83 × 40 × 90 mm)

### Loop Dimensions:

4 × 6 ft thru 4 × 12 ft standard, custom sizes available

### Loop Diameter:

0.26 in

### Lead-in-Wire:

50 ft long, twisted wire in PVC jacket

### Temperature:

Operating: -40 °F to 180 °F (-40 °C to 82 °C)

### Loop Approvals:

UL subject 13, Type PLTC 300 V, 90 °C passes IEEE-328.210,000, BTU Flame Test Pennsylvania, Bureau of Deep Mine Safety, Approval P-MWMS-1-85

## Part Number/Price

Part #	Description	Price
86601	Kit, vehicle detector includes detector, socket and 4 ft x 8 ft loop with 50 ft lead in wire. No enclosure or wiring terminals included.	\$655.00
86759	Kit, vehicle detector includes detector, socket and 4 ft x 10 ft loop with 50 ft lead in wire. No enclosure or terminals included.	\$655.00

# Photo Eyes



Retro-reflective

## Standard Features

- Many varieties available for both truck scale and dynamic weighing applications
- Arrange photo eyes to keep wheels on scale
- Rugged outdoor applications
- Reflective types work up to 17 ft (5.18 m) in clean conditions
- Quick disconnects for easy replacement
- Broken beams can signal a wheel off the scale or prevent a weighment in unattended systems
- Transmitter/receiver types work up to 17 ft away in clean conditions

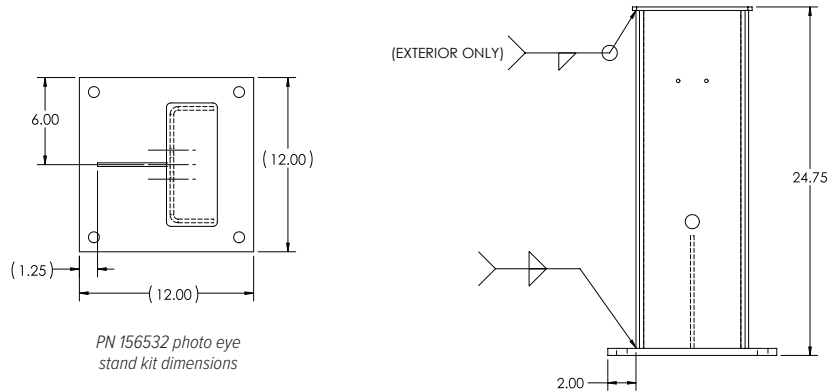
AUTOMATED TICKETING

## Part Number/Price

Part #	Description	Price
<b>Photo Eyes</b>		
78975	Allen-Bradley® photo eye retro-reflective sensor	\$340.00
78976	Photo eye reflector, 3 in diameter	\$29.00
78977	Quick disconnect photo eye cable, 12 ft, 5-pin mini connector	\$145.00
<b>Photo Switches</b>		
165776	Kit, photo eye switch	\$1,395.00
103013	Photo switch receiver	\$300.00
103014	Photo switch transmitter	\$225.00
196361	Photo switch transmitter (DC)	\$265.00
103015	Photo switch quick connector receiver	\$145.00
103016	Photo switch quick connector transmitter	\$115.00
130398	Mounting swivel assembly for 103013 and 103014	\$31.00
156532	Photo eye stand kit	\$425.00



Photo eye stand



PN 156532 photo eye stand kit dimensions

Dimensions listed in inches