Software Systems

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VIRTUi2®

PC-Based HMI for iQUBE²®

VIRTUi² is a Windows®-based desktop application that works with iQUBE²® to replicate simple indicator functionality ideal for system integrators and OEMs wanting to provide a PC-based solution. Load cells are individually monitored and calibrated, making setup easy.

Approvals

Part Number/Price

Part #	Description	Price
108436	Activation part number - requires machine ID and customer's email address	$500.00

Standard Features

- Virtual front panel consists of display and five-button keypad
- Web browser-based iQUBE² cell status
- Provides local and remote reporting of diagnostics and error conditions
- Up to four scales and one total scale
- Primary/secondary units configuration (lb, kg, short tons, metric tons, none)
- RS-232 communications at up to 460 kbps
- Electronic Data Processing (EDP) port over RS-232 and TCP/IP
- Printer port for output-only, simplex communications
- Two print formats
- Provides iQUBE² configuration screen and iQUBE² digital I/O configuration
- Supports iQUBE² diagnostics with configurable error viewing
- Peak weight history
- Recalibration notification
- Concentrated load capacity (CLC)
- Section capacity

Specifications

Minimum System Requirements:
Windows® 8.1 and newer

Serial port
USB to serial converter, or Ethernet TCP/IP for connection to iQUBE²
Additional serial ports are required for connections to printers/remote displays

Annunciators:
Units (lb, kg, short tons (tn), metric tons (t), NONE) gross/net, motion, center of zero

Approvals:
NTEP CC 04-058 Class III/IIIL, 10,000d

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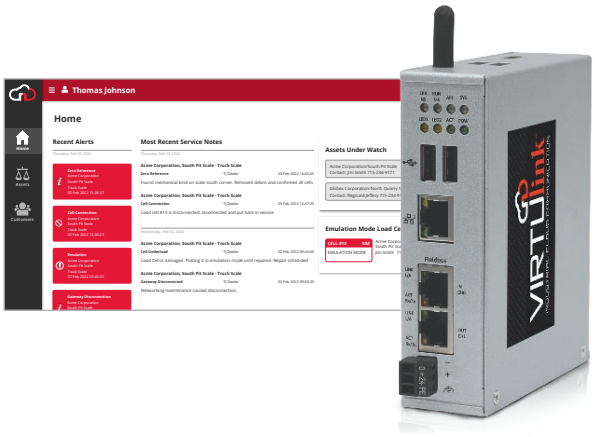

VIRTUlink™ connects weighing equipment to the cloud, enabling data from networked devices to be utilized for a wide variety of business and operational decisions.

Standard Features

Data

- Sends raw and analyzed values from the scale to the cloud
- Supports long-term efficiency by providing scale and throughput records
- Expandable with support for multiple data points from indicators, junction boxes, auxiliary equipment, sensors, web relays and IP cameras

Diagnostics

- Enhanced onboard diagnostics identify cell noise, tests for linearity and zero-reference, and monitors drift
- Diagnostics are complemented by a unique load cell emulation feature which compensates for a failing load cell until a repair can be made
- Unmatched reaction time (500 cycles per second) brings accuracy to new levels

Dashboard

- Online portal to monitor scale status in real-time
- Receive alerts when scale is outside of programmable tolerances
- Remotely identify service needs and review technician notes
- Hosted on a cloud platform

Specifications

Communication:
Ethernet TCP/IP

Power Connector:
3-pin terminal block (3.5 mm)

Power Supply:
24 V DC ± 6 V DC

Conformity with UL:
Use Class 2 power source, Over-voltage Category II

Current (at 24 V DC):
170 mA (typical)

Operating System:
Security-hardened Linux

Display:
8 LEDs (2 programmable)

Real-time Clock:
Capacitor buffered, maximum 7 days backup, maintenance free

Gateway Hardware/ Communication

Memory:
Integrated memory 1 GB DDR3 RAM, SD card 32 GB MLC NAND, Micro SD card

IT Interface:
1 x 10/100 Mbit, Microchip LAN9514
1 x RJ45 socket LAN connector

Required Accessible Ports:
http (80), https (443), MQTT (1883), MQTT over SSL (8883), AMQP (5672), AMQPS (5671)

Required Accessible Ports:
http (80)
https (443)
MQTT (1883)
MQTT over SSL (8883)
AMQP (5672)
AMQPS (5671)

Environment Protection:
IP20

Ambient Temperature:
Operation: -20 °C to 60 °C
Storage: -40 °C to 85 °C

Humidity Range:
10% to 95 % (95% at 40 °C)
relative humidity (non-condensing)

Use:
Indoor

Dimensions:
5.5 × 1.38 × 1.13 in
(140 mm x 35 mm x 105 mm)

Weight:
0.89 lb (400 g)

Metal Housing:
DIN top hat rail mount

Approvals:
UL – Nr. E221530 Vol D1
FCC – ID 2ANEG0001
IC – 24152-0001
KCC – No. R-C-HKR-ETP51EN-RE
UL Japan – No. 007-AH0211
RoHS
Conformance with EMC Directives:
CE Emission EN 55011:2009
Immunity IEC 61000-6-2/3, EN 61131-2
Electrostatic discharge (ESD)
(air and contact discharge method) EN 61000-4-2
Fast transient interferences (Burst) EN 61000-4-4
Surge voltage EN 61000-4-5

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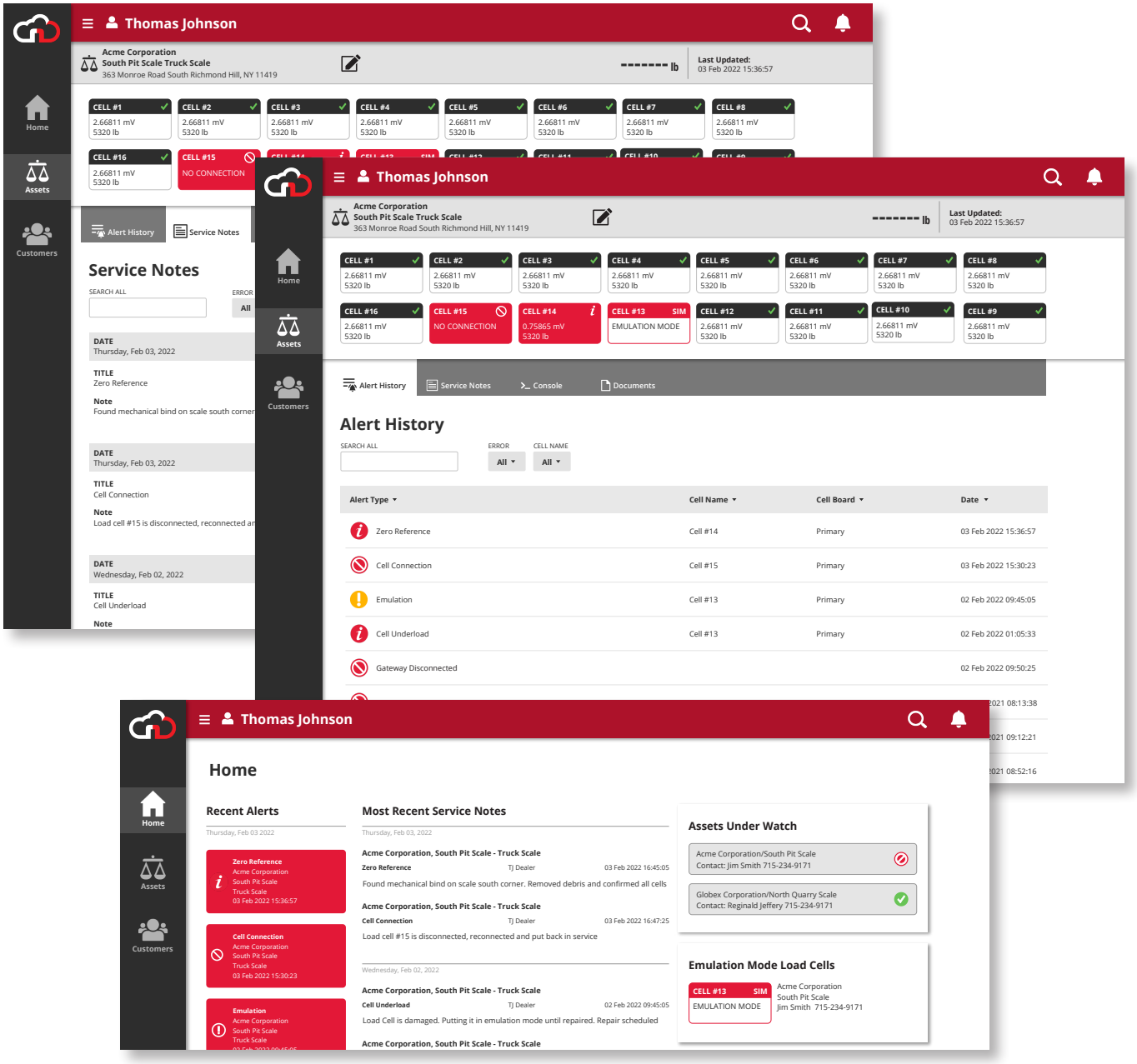
VIRTUlink™

Cloud Accessible Diagnostics and Scale Monitoring

Part Numbers/Price

Part #	Description	Price
209604	VIRTUlink secure gateway	$1,795.00
215212	Power supply for VIRTUlink secure gateway, 3 wire AC power and DC hookup 24 VDC cord (12 inches)	$260.00
215213	24 VDC output wall adapter, 100 to 240 VAC input, 12W	$45.50
211283	VIRTUlink cloud-service contract, annual agreement	$1,200.00

Specifications subject to change without notice.



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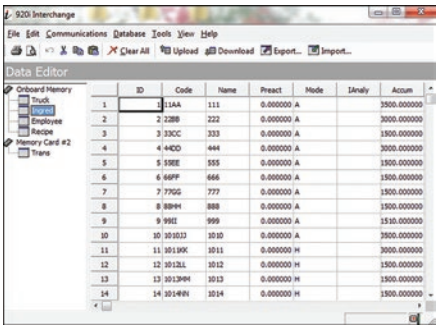
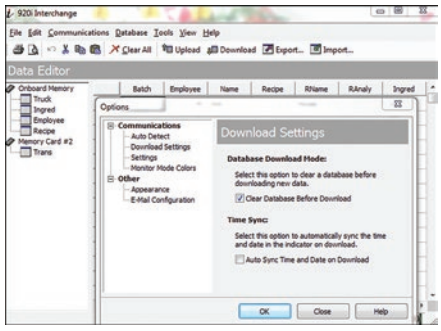
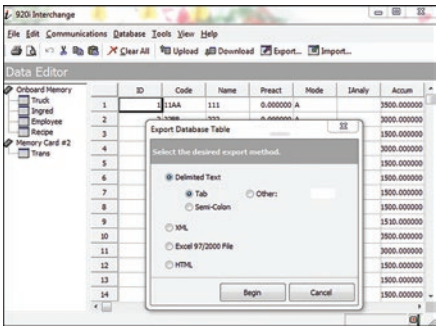


Database Editor



Communication Settings for Download



Export or Import Data

Interchange database management software is used to set up a custom job file for each database you need to export. Manually or automatically run the job file by setting a predetermined time using Windows® Task Scheduler.

Part Number/Price

Part #	Description	Price
72809	Interchange database software	$295.00

Standard Features

- Edit and manage databases
- Set up using an export job wizard
- Connect using RS-232, RS-485 or Ethernet TCP/IP
- Program will connect to the indicator and upload the current database structure
- Select the desired database
- Export database table file types: delimited text, XML, XLS, HTML

Specifications

Minimum System Requirements:
Windows® 7 or newer

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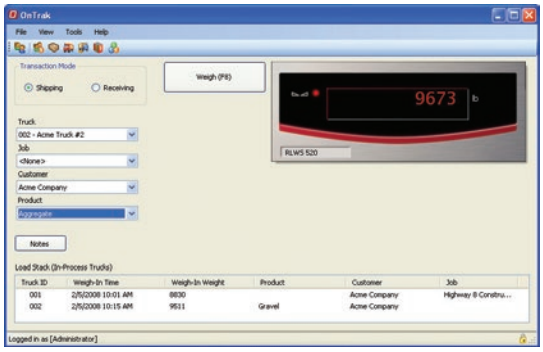
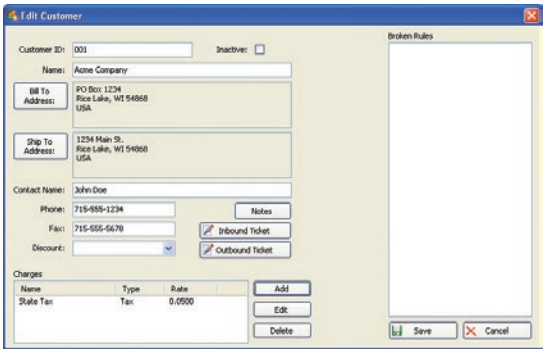
OnTrak®

Truck Data Management Software

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	OnTrak CD-ROM	$84.00

OnTrak trial at www.ricelake.com/ontrak

Options/Accessories

Part #	Description	Price
Consult	Non-Rice Lake indicator interface	$245.00
Consult	Custom reports	$243.00/hour
Consult	Database configuration	$243.00/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
- Backup 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

Download OnTrak Software V2.14.00

Optional Features

- Image capture with Ethernet camera TCP/IP (requires SQL Server Standard or better through Microsoft)
- Interface to non-Rice Lake weight indicators
- 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 Micosoft 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 CC 05-107

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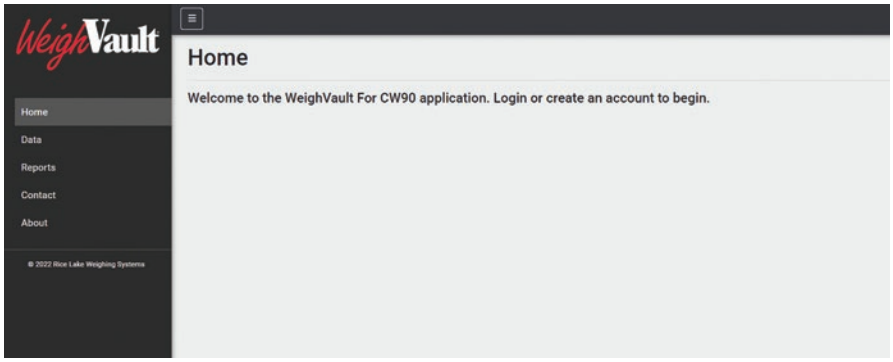

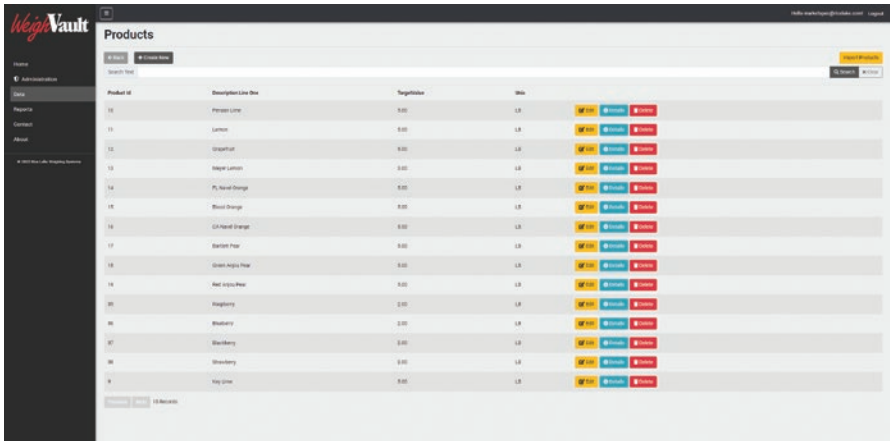

Standard Features

- Specialized PC software makes data entry easy
- Boost product ID storage to nearly limitless potential, and manage as many scales as necessary
- Eliminates front-panel entry of ID parameters
- Quickly program, edit and manage scales and each unique product ID right from your PC
- Stores the details of each transaction for either a single scale or multiple scales
- Collects data as transactions occur and provides detailed transaction and productivity reports
- Allows users to add, edit and access IDs over a network connection
- Reports can be exported into word processing, spreadsheet or PDF format

REST API designed to:

- Extend reach of WeighVault application
- Gain efficiencies for programmers integrating application specific content
- Enterprise dashboard view points
- Useful weight data related to IDs
- Boost system usage

Part Number/Price

Part #	Description	Price
117358	Software package, WeighVault for CW90/90X	$265.00
125546	Software package, WeighVault for Counterpart	$265.00

Counterpart Functions Only

Data Registers:

- ID code [32 characters]
- Unit weight [6 places]
- Tare weight [6 places]
- Units field
- Parts name [32 characters]
- Part description [32 characters]
- Lot number [32 characters]
- Location [12 characters]
- Inventory quantity [7 characters]

Reports:

- Part
- Inventory
- Activity
- Location

CW-90/90X Functions Only

Part Fields:

- Product ID [4 characters]
- Two descriptions fields [32 characters each]
- Target
- Tare
- Over
- Under
- Units

Reports:

- Transaction
- Productivity

Specifications

Minimum System Specifications:

CW-90X or Counterpart®
800+ MHz Intel® compatible processor
1 GB of RAM
750 MB hard drive space
TCP/IP connections to a CW-90, CW-90X or Counterpart

Recommended System Specifications:

1.0 GHz Intel compatible processor
2 GB of RAM
4 GB hard drive space
Windows 10 or newer (x64 systems)
TCP/IP connections to a CW-90, CW-90X or Counterpart

Network Requirements:

The PC running the WeighVault service must have a static IP address
Known IP address and subnet of the host PC; if connecting via WLAN, known network SSID and security settings (pass keys and phrases)
Network policy must allow passwords of six characters

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WinWedge® TAL Software

Wedge Software

WinWedge®
Serial Device Data Collection Software

Standard Features

- Input scale or instrument data directly into Excel®, Access®, statistical software, LIMS, MMIs, or any Windows® application
- Transfers RS-232 data quickly, accurately and formatted to your exact specifications
- Powerful DDE options for collecting data from multiple devices simultaneously
- Extremely easy to set up and use

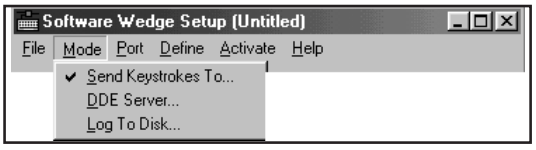
WinWedge Pro Additional Features:

- Support for even the most complex devices and serial I/O with advanced data parsing, filtering, formatting and translation
- RS-232 data collection and I/O support, TCP/IP included with Pro version
- More advanced device control options
- Additional features such as math functions and virtual instrument mode

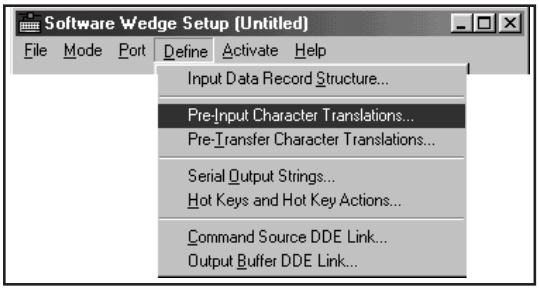
Part Number/Price

Part #	Description	Price
75351	WinWedge® TAL software, 32 Std	$345.00
72304	WinWedge® TAL software, 32 Pro, TCP/Wedge	$575.00

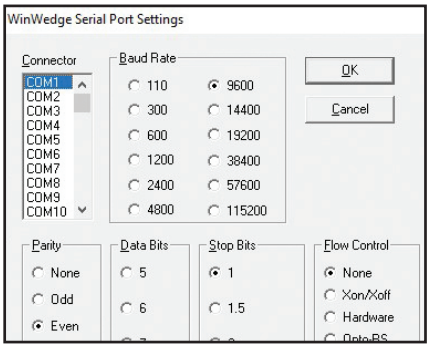
1. Select how you want the data collected:



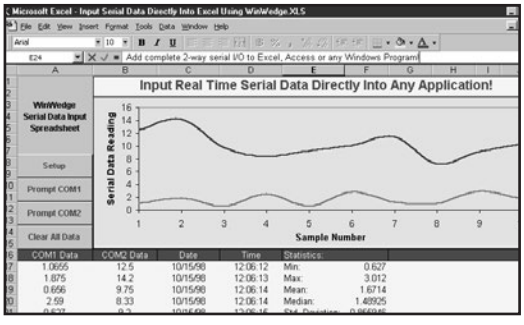
2. Choose the communication parameters for your serial device:



3. Define how you want the serial data to be parsed, filtered, and translated:



4. Activate WinWedge and watch your serial data "pop" into your application:



Specifications

System Requirements:
Any version of Windows®
Any Windows PC
4MB of RAM
2MB of hard disk space

Communications:
WinWedge can collect data on any serial port (RS-232 or RS-485) and even on multiple ports simultaneously. Also supports full device control.

Software Support:
Rice Lake Weighing Systems offers field software support for our software packages. Contact our Service Department for software support. Software support is a chargeable service.

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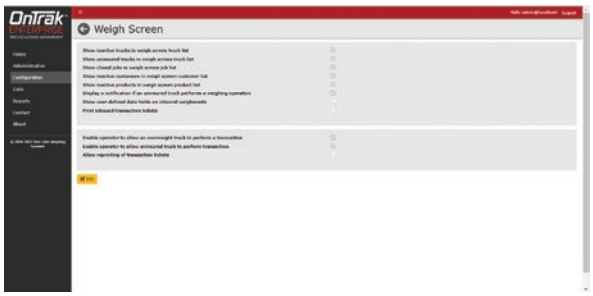
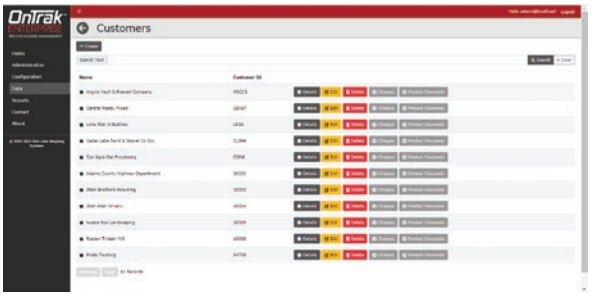
NEW OnTrak™ ENTERPRISE
TRUCK SCALE DATA MANAGEMENT



Weigh Screen



Customer Screen Main

Approvals

pending

Part Numbers/Price

Part #	Description	Price
218502	OnTrak Enterprise Base Software	$3,495.00
Modules		
218503	OnTrak Enterprise Kiosk Module	$795.00
218504	OnTrak Enterprise API Module	$695.00
218505	OnTrak Image Capture Module	$695.00
218506	OnTrak Enterprise License Plate Recognition (LPR) Module	Consult
Annual Maintenance Agreements (AMA)		
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	Consult

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	$245.00/hour
104789	Phone Support, one hour	$145.00

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
- Customize printed tickets
- Back up and restore via SQL Server Management Studio available through Microsoft
- Software supports unlimited number of scales, number of scales supported is dependent on user's hardware
- Web server for remote access, systems integration and data monitoring

Optional Features

- Kiosk interface
- REST API
- Image capturing
- License plate recognition

Specifications

System Requirements:
Windows® 10 or newer (x64 systems)

Databases:
10 GB max database size when using included Micosoft 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
Optional drivers available for non-Rice Lake weight indicators (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 CC 05-107 (pending)

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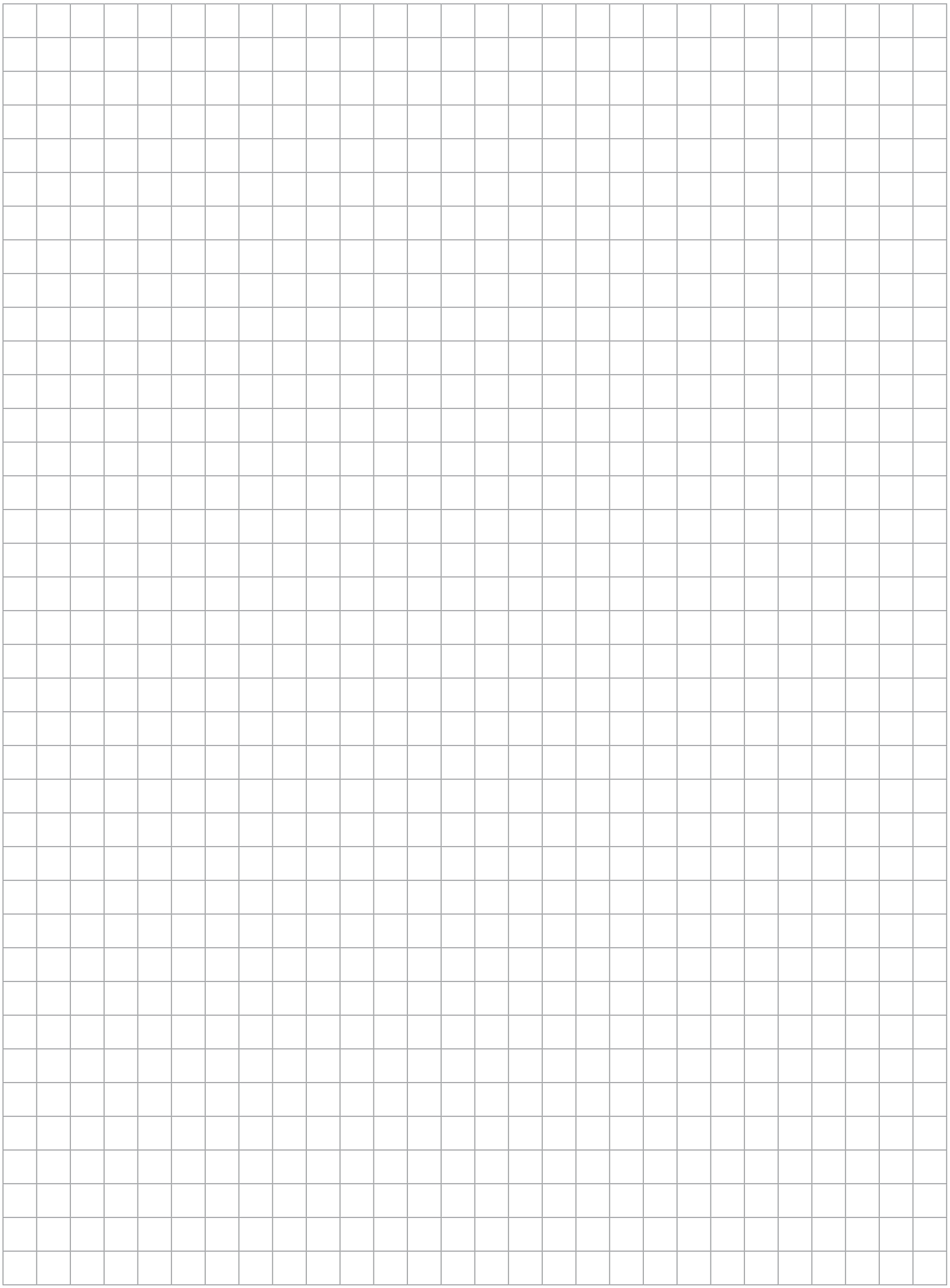

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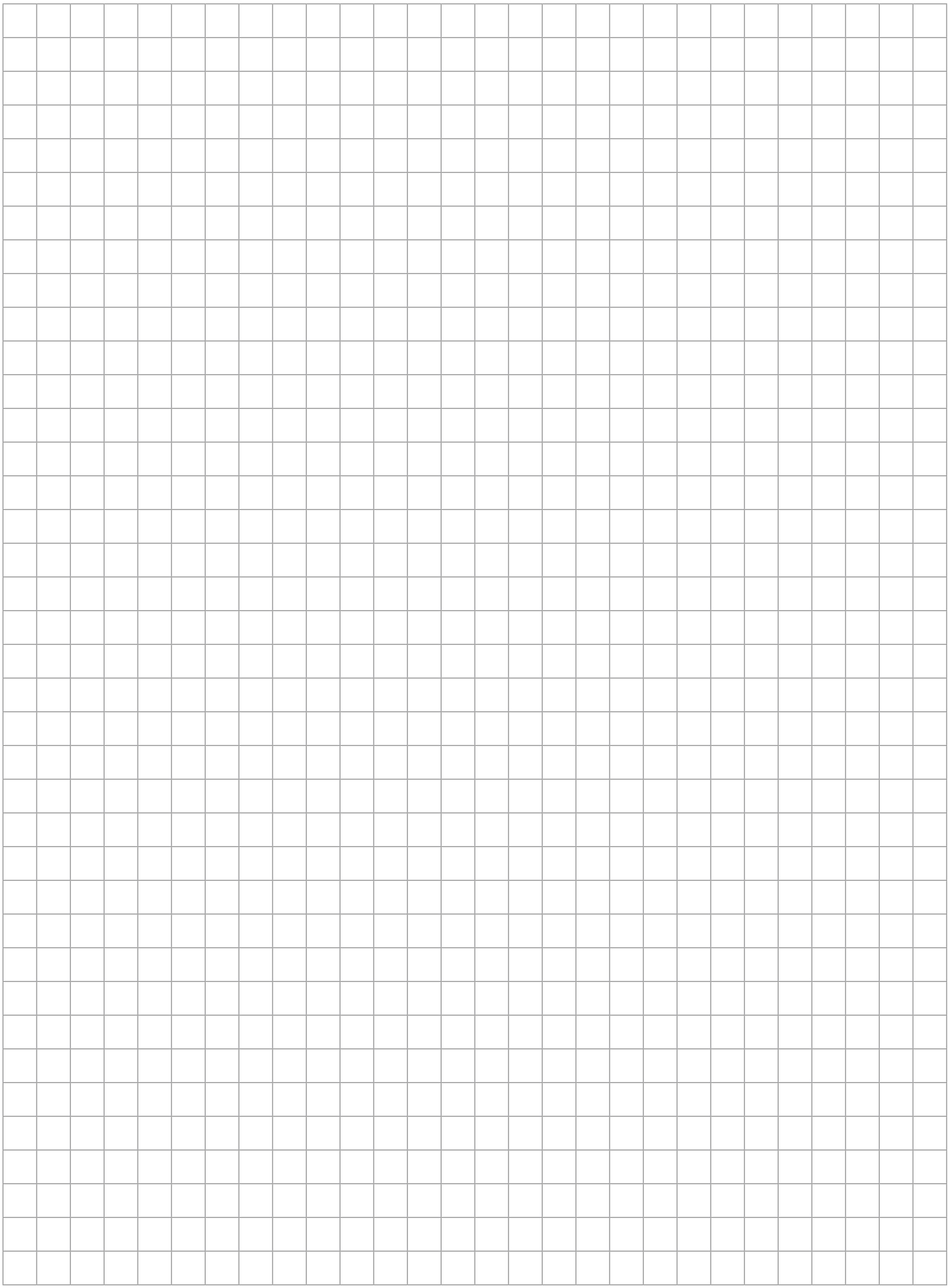

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