Software Systems

Table of Contents

Interchange **954**
920i®/1280 Database Management Software

Myrias® **955**
Integrated Software Solution

OnTrak® Enterprise **957**
Truck Scale Data Management Software

OnTrak® **958**
Truck Scale Data Management Software

RL Web Display **959**
Remote Scale Monitoring Software

VIRTUi²® **960**
PC-Based HMI for iQUBE²®

VIRTUlink™ **961**
Scale Monitoring and Diagnostics System

WeighVault® **963**
Web Application with Middleware Services

WinWedge® TAL Software **964**
Wedge Software

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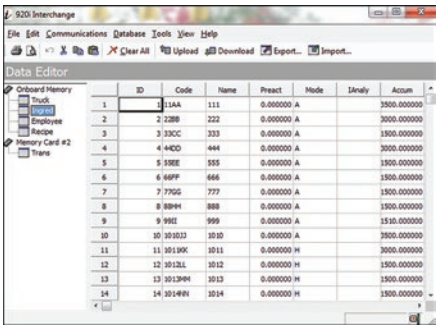
Interchange

920i®/1280 Database Management Software



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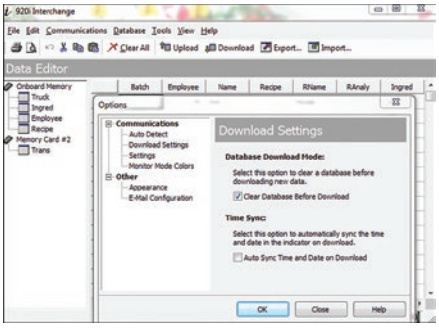
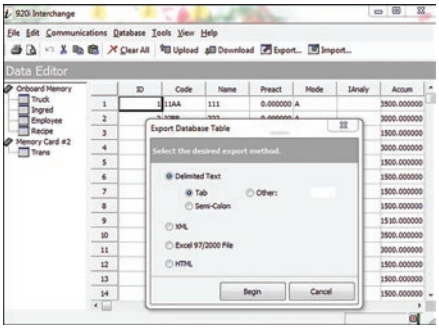


Communication Settings for Download



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	$325.00

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 current database structure
- Select the desired database
- Export database table file types: delimited text, XML, XLS, HTML
- Compatible with 920i® and 1280 indicators

Specifications

Minimum System Requirements:
Windows® 7 or newer

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Standard Features

- Modular process management creates the best system for each facility
- Full material traceability
- Extensive real-time reports
- Monitor cost, product quality and regulatory compliance
- Works with many types of hardware and peripheral equipment including legacy hardware
- Integrate with third-party systems
- SQL database or proprietary file-based database

System Requirements:

- Intel I5 or equivalent
- 8GB Ram
- Windows 11
- 500GB Hard Drive

SOFTWARE SYSTEMS

Standard modules are listed below.
Many additional modules are available.

BATCH RECIPE FORMULATION

Accurate ingredient weighing in batches, blends and mixes. Offers benefits of consistent quality, reduced waste, better cost control and full traceability of weighing and measuring ingredients for set recipes.

- Displays recipe method, HACCP messages and manufacturing information
- Automatic calculation of ingredient weights for non-standard batch sizes

Part Number/Price

Part #	Description	Starting Package Price
Consult	Batch Recipe Formulation	$8,975.00

DYNAMIC CHECKWEIGHING

Records all packs from checkweigher and offers real-time charting. Immediate warning of low weights and expensive giveaway. Comprehensive records help analyze pack weights and diagnose filling faults.

- Allows product database to be centrally managed at one PC and send settings to each checkweigher
- Automatically changes products on checkweigher from central job control
- Calculates fill adjustments to maintain control target (can be displayed to operator or connected to suitable equipment for automatic feedback control)
- Advanced statistical and AI control options available for complex products
- Option to record integrated metal detector actions

Part Number/Price

Part #	Description	Starting Package Price
Consult	Dynamic Checkweighing	$7,575.00

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STATIC CHECKWEIGHING

Adds efficiency to manufacturing, sorting and food-processing applications. Each pack is continuously monitored and checked to be within a preset range or target.

- Control filling with checkweighing lights to notify operators of weight status
- Optimize limits to control weight and operator speed
- Control multiple scales from central database
- Support normal and takeaway fill control
- Automatically record each weight by operator, product and other key data
- Works with Ethernet, Wi-Fi and serial interfaces

Part Number/Price

Part #	Description	Starting Package Price
Consult	Static Checkweighing	$5,605.00

FORKLIFT

Streamline material handling operations by integrating forklift scales to move and weigh pallets in one step. Straightforward prompts guide operators through each pallet transaction.

- Operator and product traceability
- Forklift performance statistics
- Real-time data sent to FTP
- Reports available in CSV or TXT files for data transfer

Part Number/Price

Part #	Description	Starting Package Price
Consult	Forklift	$6,975.00

OFFLINE SAMPLING

Offers close control of pack fills to meet legal requirements and limit profit loss. Powerful diagnostics help characterize filling performance and minimize fill variability issues. Provides legally accepted records as proof of due diligence.

- Operator warning displayed for individual and collective pack fill infringements, with calculated fill adjustments to maintain control target
- Includes library of statistical control strategies
- Records secure records for average weight, minimum weight and other legislations, as well as for SPC and quality control
- Density conversion for liquid fills
- Quarantine module available to record handling of defects

Part Number/Price

Part #	Description	Starting Package Price
Consult	Offline Sampling	$8,575.00

PALLET WEIGHING

Shipping and warehouse inventory systems greatly benefit from pallet weighing. Integrate data in real-time for live views of product quantities and shipping status.

- Accurate weighing and recording of pallets
- Integrates floor and fork scales into a single database
- Data analysis identifies shortages, overfills and process yields
- Labels pallets by makeup, customer, storage and other customer criteria.

Part Number/Price

Part #	Description	Starting Package Price
Consult	Pallet Weighing	$6,975.00

WASTE

Optimize profits by identifying, measuring and reducing waste throughout your operation. Reductions in waste go straight to bottom-line profits.

- Monitors waste by type, product and department
- Records waste transactions for regulations
- Full traceability of all transactions
- Multiple sites can be networked back to regional and head offices for orders, accounts and reporting.
- Operator prompts guide the user quickly and smoothly though each transaction

Part Number/Price

Part #	Description	Starting Package Price
Consult	Waste	$6,975.00

TRACEABILITY (ADD-ON MODULE)

Minimizes business risk in the event of a quality failure by allowing quick response to identify affected items. Helps locate process issues related to customer complaints.

- Provides full traceability from intake to dispatch through all stages of production, supply and distribution
- Links traceability data through comprehensive, easy-to-use reports
- Every transaction includes time, date, lot numbers and operator identity for full accountability
- Instant forward and backward traceability of all materials and batches

Part Number/Price

Part #	Description	Starting Package Price
Consult	Traceability	$1,995.00

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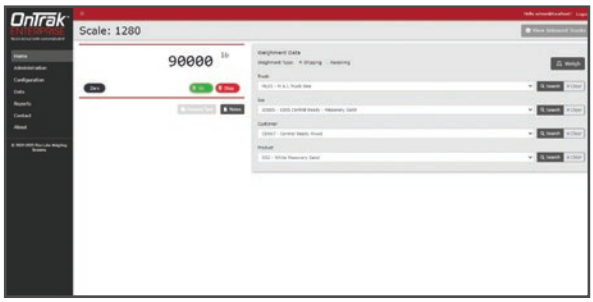
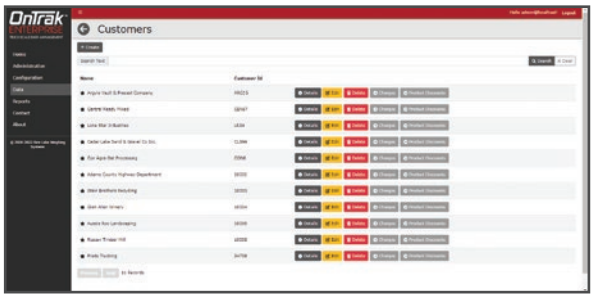
OnTrak® ENTERPRISE
TRUCK SCALE DATA MANAGEMENT



Weigh Screen



Customer Screen Main

Approvals

Part Numbers/Price

Part #	Description	Price
218502	OnTrak Enterprise base software	$3,495.00
Modules		
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
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	$119.00

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	$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
- Website for remote access, systems integration and data monitoring (SSL certificate required for publishing website to internet)
- 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*

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

Specifications

Systems 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 05-107

SOFTWARE SYSTEMS

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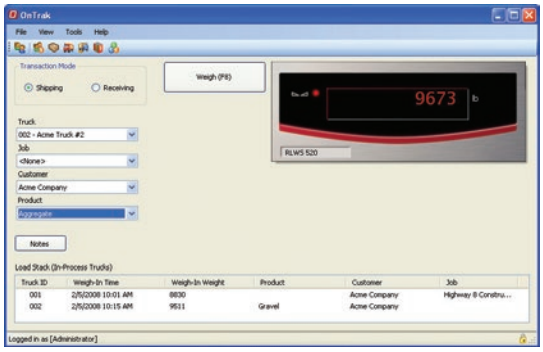
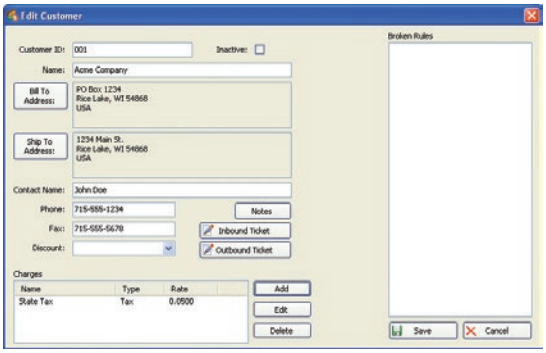
OnTrak®

Truck Scale 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	OnTrack Software, USB	$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
- 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
- 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 05-107

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RL Web Display

Remote Scale Monitoring Software

NEW

Similar to viewing a scale on a remote display, RL Web Display is a software application that replicates the weight display for one or more indicators.

Using a web browser, RL Web Display allows basic access to the scale including ZERO key and Stop/Go commands when connected to a remote display.

Multiple users can remotely view configured scales with a licensed installation of RL Web Display software.

Fully functional for five minutes in demo mode.

Part Number/Price

Part #	Description	Price
219392	Software, RL Web Display remote display software	$695.00

System Requirements

- Windows 10® build 1607 or newer (64 bit only) or equivalent Windows® Server OS
- 2.0 GHz processor or faster
- 250 MB drive space needed for install
- 8 GB ram or greater
- Ethernet TCP/IP connection
- A supported web browser (Google® Chrome®, Microsoft® Edge®, Mozilla® Firefox® or Apple® Safari®)

NOTE: Indicators and remote displays must be connected via Ethernet TCP/IP.

Compatible Instrumentation

- 1280 Enterprise™ Series
- 920i® Series
- 880/880 Plus Performance™ Series
- 820i™ Series
- 720i™ Series
- VIRTUi²® PC-based HMI for iQUBE²®
- 682 Synergy Series
- 680 Synergy Series
- SCT-2200 Advanced Series
- 480 Legend™ Series
- 420 Plus
- IQ Plus® 355
- IQ Plus® 710
- Avery Weigh-Tronix® E1105
- Avery Weigh-Tronix® WI127
- Mettler Toledo® 8530
- Cardinal® 738
- LaserLight2 and LaserLight3 in legacy mode

NOTE: Custom drivers available on request

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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	$578.00

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 or 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, 10,000 d

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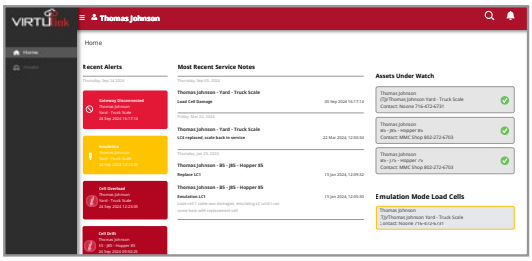


Home Screen for Service Provider

Rice Lake's VIRTUlink IoT System connects analog platform scales (up to four iQUBE systems) to the cloud, enabling data from networked devices to be utilized for a wide variety of business and operational decisions. By combining the iQUBE digital junction box with the latest cloud technology, VIRTUlink provides access to diagnostics and can automate service alerts.

VIRTUlink-enabled systems can automatically report scale status and individual load cell information. iQUBE's unique load cell emulation feature allows it to compensate for a failing load cell until a repair can be made. With an unmatched reaction time, accuracy is brought to new levels.

Standard Features

Data

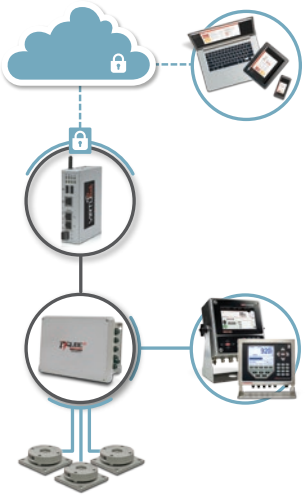
- Sends raw and analyzed values from the scale to the cloud
- Supports long-term efficiency by providing scale and throughput records
- Expandable with support for multiple data points from junction boxes, auxiliary equipment, sensors and IP cameras

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 alert text and/or emails 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

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

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:
10% to 95% (95% at 40 °C) RH (non-condensing)

Use:
Indoor

Dimensions:
5.5 × 1.38 × 4.13 in
(140 × 35 × 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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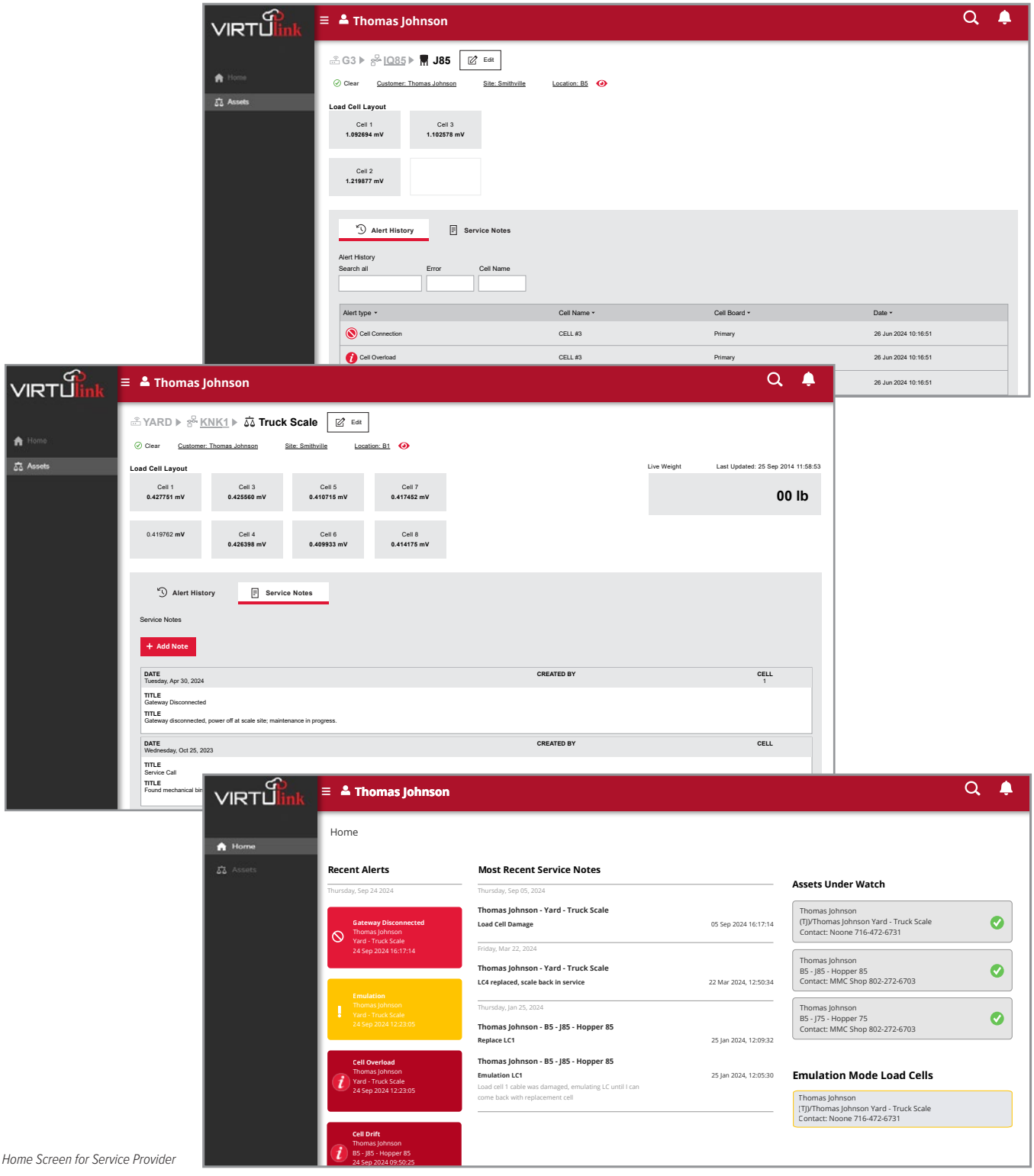
VIRTUlink™

Scale Monitoring and Diagnostics System

Part Numbers/Price

Part #	Description	Price
209604	VIRTUlink secure gateway	$1,885.00
215212	Power supply for VIRTUlink secure gateway, 3 wire AC power and DC hookup 24 VDC cord (12 in)	$273.00
215213	24 VDC output wall adapter, 100 to 240 VAC input, 12W	$48.00
211283	VIRTUlink cloud service contract, annual agreement	$1,260.00

Specifications subject to change without notice.



Home Screen for Service Provider

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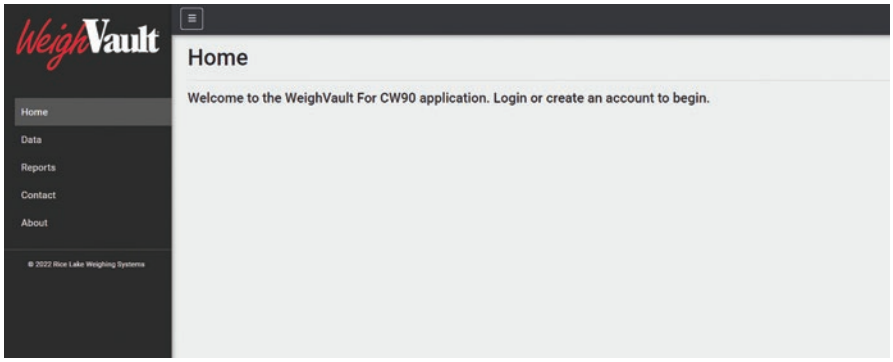

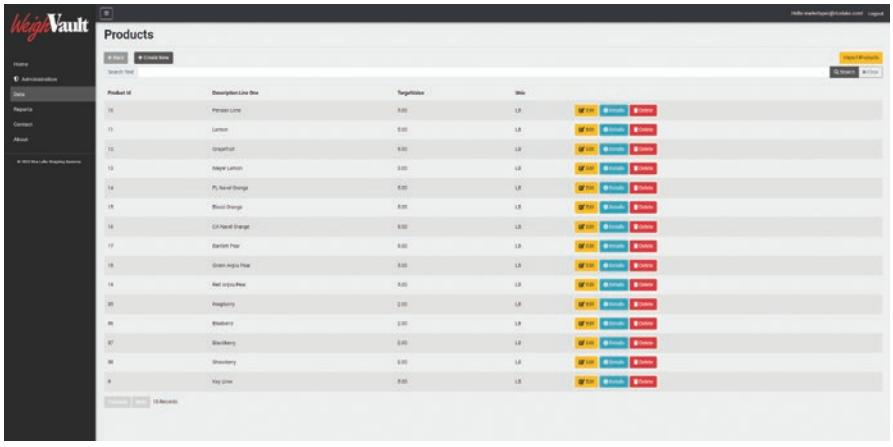

Standard Features

- 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
- A supported web browser (Google® Chrome®, Microsoft® Edge®, Mozilla® Firefox® or Apple® Safari®)

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 CW-90/90X	$265.00
125546	Software package, WeighVault for Counterpart	$265.00

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

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

SOFTWARE SYSTEMS

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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

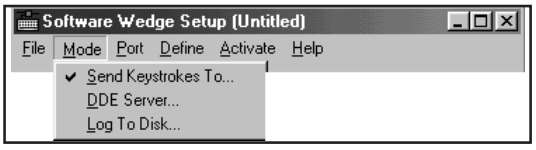
WinWedge Pro Additional Features:

- 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

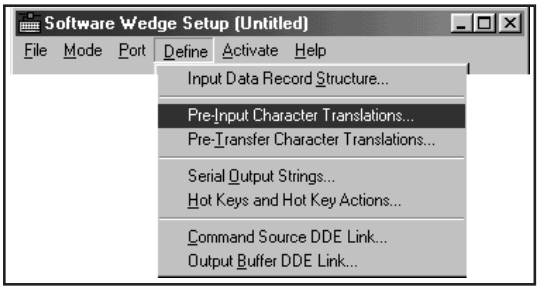
Part Number/Price

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

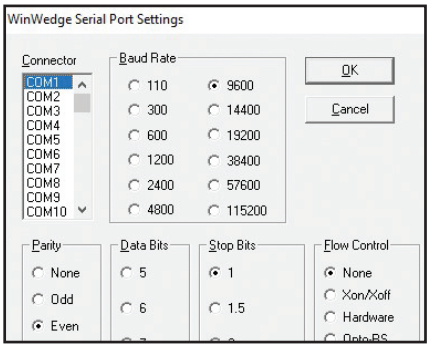
1. Select how you want the data collected:



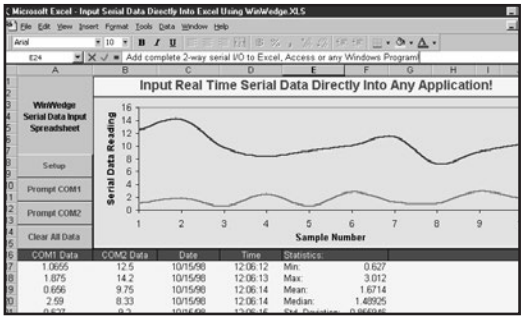
2. Choose the communication parameters for your serial device:



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 Windows PC
4 MB of RAM
2 MB 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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