



## Features and Benefits

- Conversion speed up to 200 times per second.
- Connect up to 4 boards, these can be set up as 1 to 4 scale systems for independent platforms.
- System and Cell Status messages, Bi-color LEDs illuminate cell health, port activity and processor heartbeat.
- Cell-Emulator algorithm for vehicle scales or tank/hopper scales, compensates for cell failures until repairs are made.
- Weighing diagnostics are tuned to identify binding, nonlinearity, off center loading, drift and noise.
- System diagnostics check A/D, excitation, communication, load cell bridge.
- Windows® Configuration Software makes setup easier and saves files.
- iQUBE<sup>2</sup> contains all scale functions, with an open, easy-to-use protocol for alternate host instrumentation.
- Available in cost effective FRP enclosures or SS enclosures.

**RICE LAKE**  
WEIGHING SYSTEMS

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Specifications subject to change without notice

# Junction Box Matrix

	Rice Lake iQUBE <sup>2</sup>	Rice Lake iQUBE	Mettler-Toledo RAAD Box	Weigh-Tronix SensorComm	Cardinal iCan	Fairbanks Intalogix
<b>Number of Cells per Box</b>	4, 8 or 12	4 or 8	4	4	8	2
<b>Enclosure Type</b>	FRP or Stainless Steel	FRP	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
<b>Maximum Cells per System</b>	16	16	24	16	32	32
<b>Number of Scales</b>	4	1	1	1	1	1
<b>Number of Channels/Card</b>	4	4 or 8	4	4	1	2
<b>Number of Channels/Box</b>	4, 8, 12	4 or 8	4	4	1 - 8	2
<b>Update Rate</b>	60, 100, 150, 200*	15/sec	18/sec	20/sec	1 - 50/sec	16/sec 32/sec
<b>Data Output</b>	Open	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary
<b>Interfaces from Junction Box</b>	RS-232 RS-485 Fiber Optic Wireless Ethernet USB	RS-232 RS-485 Fiber Optic Ethernet	PowerCell	RS-232 RS-485 Fiber Optic	CAN Serial bus Fiber Optic Wireless Ethernet Modem	RS-485 Fiber Optic Modem
<b>Calibration Algorithm</b>	Yes	Yes	Yes	Yes	Yes	Manual Trim
<b>Bad Load Cell</b>	Yes	Yes	Yes	Yes	No	No
<b>Weighing Checks</b>	LC Values Zero Return Cell Linearity/Balance Noise/Instability Drift LC Boundary LC Gage A/D Failure Power Error Comm Error	LC Values Zero Return Cell Linearity/Balance Noise/Instability Drift LC Boundary Comm Error	LC Values Zero Drift Overload Symmetry Predictive Maintenance	LC Values Deadload Shift Instability LC Overrange A/D Failure Power Error Comm Error	LC Values Zero Drift Instability LC Failure	LC Values
<b>Visual Diagnostics</b>	Onboard LEDs	Onboard LEDs	No	No	6 Digit Display Onboard LEDs	Yes
<b>Error Notification</b>	Email	Email	Email	Email HTTP Modem (only with model 1310 indicator)	Email Modem (only with "Site" program on the model 788 indicator)	Email Modem
<b>Digital I/O</b>	4	Optional	No	No	No	No
<b>Indicator</b>	920i VIRTUJ <sup>2</sup> Open Protocol	820i 920i Virtui	IND 135 IND 310 IND 780	1310 Simposer	788 iSite	2500 Winlogix
<b>Price for 4 Channel SS System</b>	\$895 (FRP) \$1295 (SS)	\$1095 (FRP)	\$1070	\$1750	\$1569	\$1250
<b>Price for Indicator</b>	\$1800	\$1800	\$2765	\$2115	\$1960	\$1600

\* Dependent on number of boards