



SPECIFICATIONS

iQUBE²

Enclosure:	NEMA 4X FRP or stainless steel
Voltage Input:	115/230VAC to power supply 6 - 12VDC to CPU DC/DC converter
Load Cell Inputs:	4 channels per board Up to 4 networked boards
A/D Sampling Rate:	2.5-500 Hz (selectable)
Temperature Range:	14°F to 104°F (-10°C to 40°C)
Analog signal sensitivity:	0.3 uV/grad @ 30 Hz 0.5 uV/grad @ 100 Hz 1.2uV/grad @ 500 Hz
Load Cell Excitation:	5VDC, 57 mA maximum per channel
Analog range:	-4.5 mV/V to +4.5 mV/V
Approvals:	NTEP 03-032A1 Measurement Canada - pending UL E151461 CE
Warranty:	Two-year limited warranty

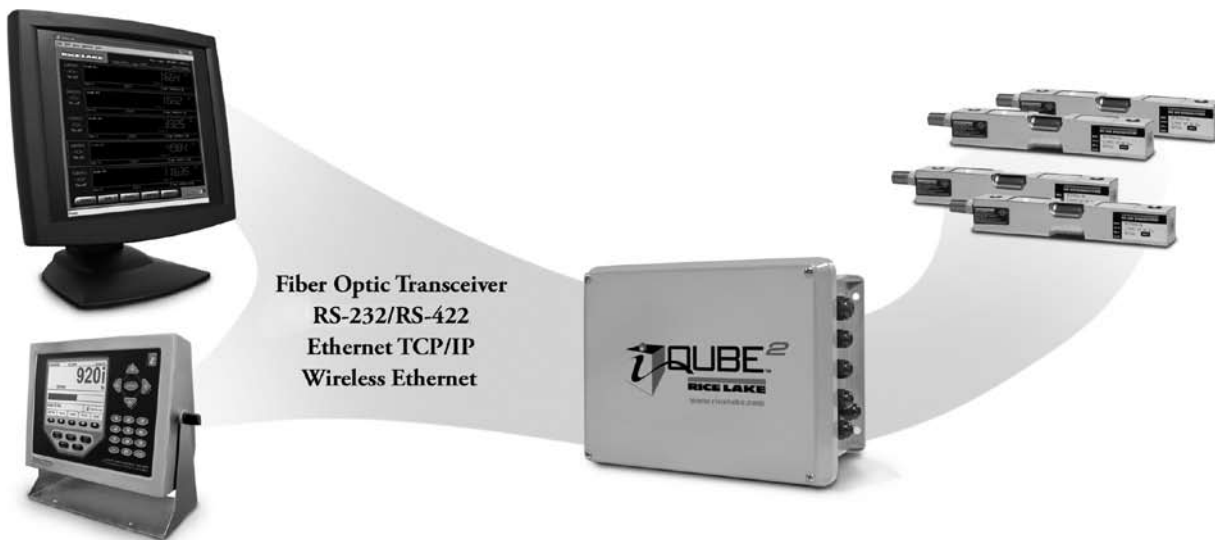
APPLICATIONS:

Mission critical weighing processes, including:
Truck and railroad track scales
Tank and hopper scales
Floor and bench scales

STANDARD FEATURES:

Enclosure includes four channel boards with or without power supply
NEMA 4X polyester or stainless steel enclosure
Up to 16 load cells can be connected
Connection can be up to four separate platforms with a system total, or four separate scales systems
Diagnostic routines for weighing errors and system health
Tests for zero return, linearity, and drift
Onboard status LED's for communications and visual bi-color indication of cell health
Cell Emulator compensates for load cell failure until a repair can be made
Cal-Match™ algorithm automatically trims and calibrates the scale in one pass of test weights (stopping over each mount)
Standard communication RS-422. Option card slot for Fiber Optic, Ethernet TCP/ IP or Wireless TPC/IP.
Four digital I/O per card, for push button operation, control, or remote cell status

Sample Configurations*



* Not an actual system—illustrates connectivity

Junction Boxes/Simulators

iQUBE²

Digital Diagnostic Junction Box

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
Without Power Supply			
108429	iQUBE ² , 4-channel, FRP 8 x 10 in junction box	8 lb	Consult factory
108430	iQUBE ² , 4-channel, FRP 10 x 12 in junction box	10 lb	Consult factory
108431	iQUBE ² , 8-channel, FRP 10 x 12 in junction box	10 lb	Consult factory
108432	iQUBE ² , 4-channel, stainless steel 8 x 10 in junction box	12 lb	Consult factory
With AC Power Supply			
108425	iQUBE ² , 4-channel, FRP 8 x 10 in junction box	9 lb	Consult factory
108426	iQUBE ² , 4-channel, FRP 10 x 12 in junction box	11 lb	Consult factory
108427	iQUBE ² , 8-channel, FRP 10 x 12 in junction box	11 lb	Consult factory
108428	iQUBE ² , 4-channel, stainless steel 8 x 10 in junction box	13 lb	Consult factory

OPTIONS/ACCESSORIES

108433	Four channel iQUBE ² board with cables and connectors	Consult factory
97475	DC/DC converter kit, 9-36VDC (requires factory installation)	Consult factory
108434	115/230VAC remote power supply and transient board with enclosure	Consult factory
109396	Transient board	Consult factory
110949	Transient board with mount	Consult factory
112979	Wireless radio, 900 MHz, high data throughput	Consult factory

Communication Card

108579	RS-232/RS-485 port	Consult factory
77142	Ethernet TCP/IP	Consult factory
108671	Wireless LAN 802.11 A/B	Consult factory
93245	USB port	Consult factory
77143	Fiber Optic board	Consult factory
77788	Fiber Optic board (installed in 920i)	Consult factory

Duplex Fiber

78026	Fiber Optic cable, 100 ft	Consult factory
78027	Fiber Optic cable, 200 ft	Consult factory
78910	Fiber Optic cable, custom length	Consult factory

Software

77925	Revolution Configuration Software	Consult factory
108435	Virtui ² Virtual Indicator Demo CD	Consult factory
108436	Virtui ² Activation part number	Consult factory

920i Indicators for use with iQUBE², requires version 4 software

77790	920i Universal, 115VAC, w/o A/D	Consult factory
77791	920i Universal, 230VAC, w/o A/D	Consult factory
93243	920i Deep Universal, 115VAC, w/o A/D	Consult factory
93244	920i Deep Universal, 230VAC, w/o A/D	Consult factory
77792	920i Panel Mount, 115VAC, w/o A/D	Consult factory
77793	920i Panel Mount, 230VAC, w/o A/D	Consult factory
77794	920i Wall Mount, 115VAC, w/o A/D	Consult factory
77795	920i Wall Mount, 230VAC, w/o A/D	Consult factory

Junction Boxes

DIMENSIONS

FRP'S	A	B	C	D	E	F	G	H
Stainless Steel 8 x 10	8.91	10.13	12.57	4.29	11.50	10.75	6.00	.312
Large 10 x 12	11.30	13.33	14.00	5.57	13.53	12.76	8.00	.312
Small 8 x 10	9.31	11.31	12.85	5.42	11.51	10.75	6.00	.312

