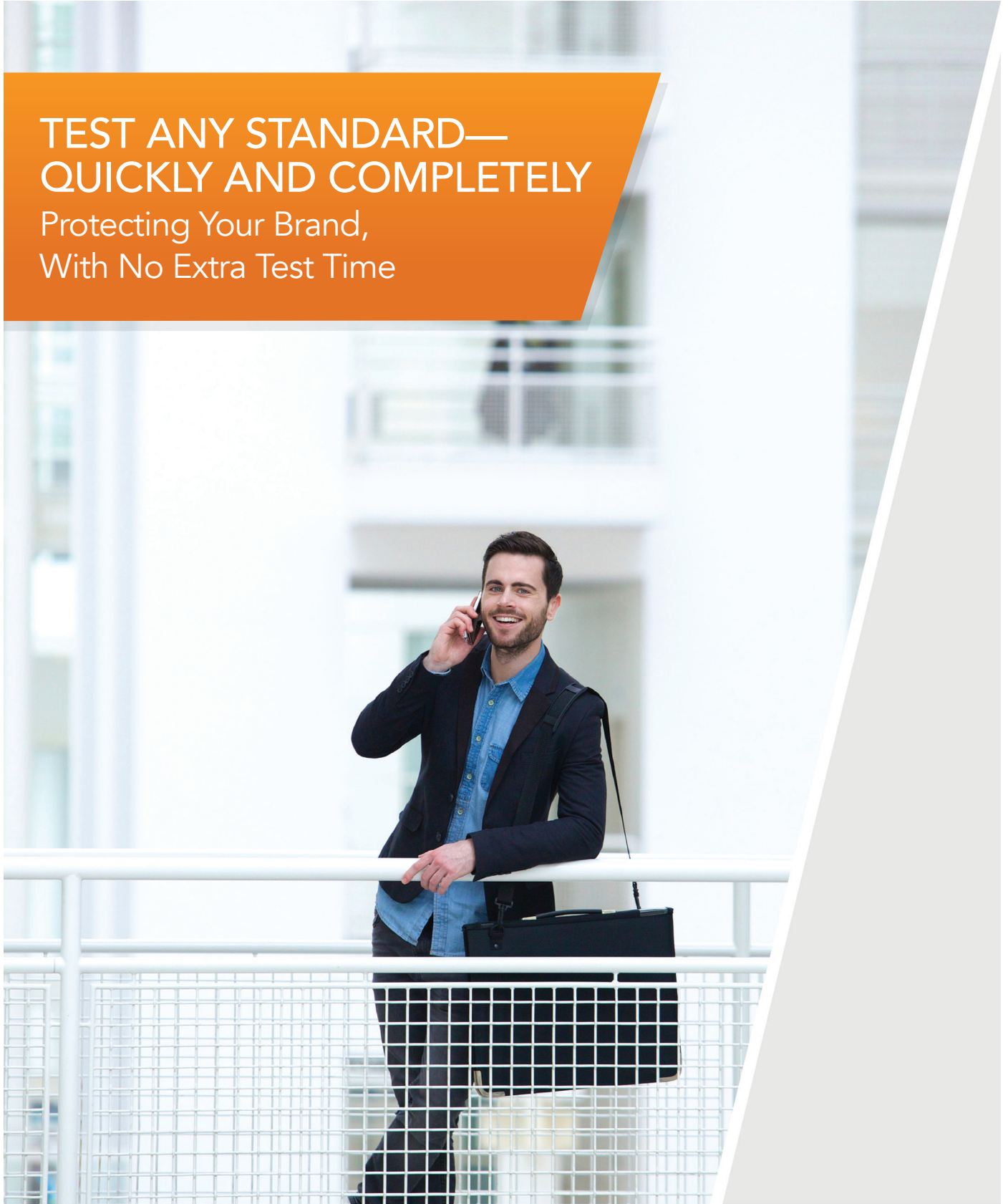iQxel-M

TEST ANY STANDARD—
QUICKLY AND COMPLETELY
Protecting Your Brand,
With No Extra Test Time

LITEPOINT

WORLD'S FIRST SINGLE-BOX SOLUTION
for testing multiple wireless standards

OVER 75% OF TODAY'S WI-FI ENABLED DEVICES
have been tested by LitePoint technology

#1 MAKER OF WIRELESS TEST SOLUTIONS
for connectivity technologies for the IoT market

WE FOCUS ON WIRELESS TEST

Your business isn't wireless test. That's LitePoint's focus, and it's our only focus. Our dedication to wireless test innovation results in solutions that enable you to bring your new IoT product to market fast and with confidence. Our singular focus has made us the leader in wireless test, and it shows.

WHATEVER STANDARD YOUR IOT PRODUCTS USE, TEST THEM QUICKLY AND COMPLETELY

Wi-Fi, 802.11a/b/g/j/n/p/ah
Wi-Fi, 802.11ac
Bluetooth, 1.x, 2.x, 3.0, 4.x, 5

WHY TEST? Your Brand's Reputation Depends on it.

The best way to protect your brand is by producing products that perform as promised. And the fastest way to damage your brand is to roll the dice with quality.

You can't afford to have new products hit the market without the confidence of knowing they'll perform as well in your customers' hands as they did in the lab.

The new consumer experience. Brand loyalty is at an all-time low with today's consumer. One false move in the marketplace by launching a defective product could spell

disaster. Consumers are more vocal than ever about their experiences, and if their new wireless product doesn't perform, they're more than happy to share their frustration online with the world. LitePoint gives peace of mind when your brand's reputation is only a few clicks away from damaging reviews with a devastating ripple effect.

10x FASTER

LitePoint pioneered non-signaling chipset testing, eliminating the lengthy initialization sequence and cutting straight to testing a product's functionality. This efficient solution simplifies the entire manufacturing process:

Saves money | Speeds time to market | No additional resources

High Cost of No Test

Time is too valuable. Consider the time spent trouble- shooting when problems of questionable components arise. Even if a module you're using is working fine, it may not when you connect the antenna and install it in your product. No amount of testing in the lab can replicate real-world testing of every device before it is packaged and sent to retail shelves.

The first few months of a launch are critical. You can't afford to waste that time or have your launch—and your brand—tainted by faulty products. With LitePoint's IQxel-M, you don't have to. Marginal designs, incorrect components or faulty assembly are discovered immediately and traced back to the source so defects can be corrected, not shipped to customers.

Regulatory limits. You need to ensure your product conforms to local regulatory limits. The competition is only too eager to shut a new product down by calling foul if it steps even slightly outside FCC limits. LitePoint IQxel-M can help you avoid that catastrophe as part of its comprehensive test coverage.

IQXEL-M—FLEXIBLE TEST WITH COMPREHENSIVE COVERAGE

Whatever your wireless connectivity testing needs, IQxel-M has you covered—now and for future wireless standards. This configurable, multi-radio test solution is designed from the ground up to meet the demands of the manufacturing environment. The IQxel M is a comprehensive, one-box test solution that supports the following standards:

- Wi-Fi, 802.11a/b/g/j/n/p/ah
- Wi-Fi, 802.11ac
- Bluetooth, 1.x, 2.x, 3.0, 4.x, 5
- Supports up to 8×8 true MIMO
- ZigBee®
- DECT
- TD-LTE
- Navigation: GPS, GLONASS, COMPASS, Galileo
- Broadcast: FM, DAB, CMMB, ISDB

No lengthy test development process
- Our turnkey solution is ready to test today's technologies right out of the box
- Eliminate coding and start testing faster

Have confidence your IoT products will deliver on your brand's promise.
Get peace of mind with IQxel-M.

Get your product to market fast—and with confidence

The IQxel-M can help you meet your IoT product's time-to-market and volume goals while ensuring only quality devices hit the shelves.

Turnkey chipset-specific solutions

Backed by a library of hundreds of chipset solutions, LitePoint's IQfact+ software leverages the IQxel-M's Packet Engine and SmartPort™ technology to deliver a total test solution that accelerates your time-to-market while minimizing the total cost of test.

Fastest test

- Parallel testing of up to four devices simultaneously (multi-DUT)
- Concurrent testing of multiple technologies in parallel
- Single-insertion for multi-standard devices
- Embedded intelligent scheduling capability for maximum throughput
- Increase production test throughput up to 500% compared

to single-DUT test

Decrease operator training from days to hours

Customization is simple with our flexible APIs, and the intuitive GUI with universal graphics speed operator efficiency.

Device calibration

There's no need for an expensive reference to calibrate your device. Eliminate the worry of shipping products out of spec, and possibly turn marginal components into peak performers.

Built for manufacturing

IQxel-M was built from the ground up for manufacturing. With its rugged and compact design, the 2U-high chassis fits in a standard 19" rack, making it easy to rack or stack. Free up precious factory floor space and reduce operational expenses

Specs

Frequency Range

RF1 to RF4:

- 860 to 1000 MHz
- 1700 to 2660 MHz
- 3300 to 3800 MHz
- 4900 to 6000 MHz

Navigation

- GPS: 1575.42 MHz
- GLONASS: 1598 to 1606 MHz
- COMPASS: 1561.098 (+/- 2.046) MHz
- Galileo: 1559 to 1593 MHz

Broadcast

- 65 to 240 MHz
- 470 to 900 MHz

Output Power Range

RF1 to RF4:

1 port active:

- +10 to -95 dBm (≤ 2700 MHz)
- 0 to -95 dBm (> 2700 MHz)

All ports active:

- +5 to -95 dBm (≤ 2700 MHz)
- -5 to -95 dBm (> 2700 MHz)

Navigation:

- -60 to -145 dBm

Broadcast:

- +6 to -110 dBm

Wide Range of Supported Wireless Standards:

- 802.11a/b/g/j/n/p
- 802.11ac (optional)
- 802.11ah (optional)
- Bluetooth 1.x, 2.x, 3.0, 4.x, 5 (optional)
- DECT (optional)
- ZigBee/IEEE 802.15.4 (optional)
- TD-LTE (optional)
- GPS (optional)
- GLONASS (optional)
- COMPASS (optional)
- Galileo (optional)
- FM (optional)
- CMMB (optional)

More standards capabilities are being added.

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