# DELIVERING
# THE SMARTER
# SUPPLY CHAIN

How the Honeywell CT32 is accelerating success
for the  Transportation and Logistics sector
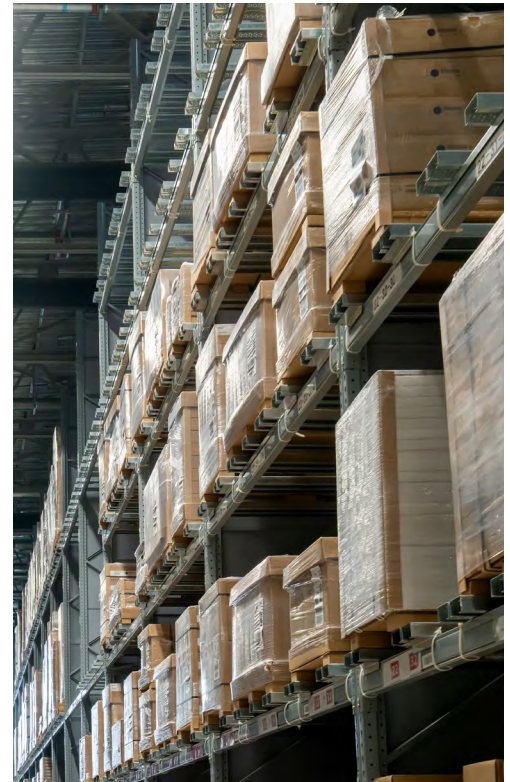
**Honeywell**

# MANAGING SUPPLY CHAIN COMPLEXITY

> **Amid monumental shifts in global supply chains driven by unprecedented challenges, 73% of companies have overhauled their supply chain networks[1], highlighting the critical need for agility.**

The post-pandemic era has seen a range of factors that put new pressure on T&L professionals – including stricter regulations, cost-reduction agendas, a greater focus on worker safety, and changes in workforce behaviour. These challenges have bought new opportunities to leverage advanced technologies. The businesses that grasp these will not just survive; they will thrive.

Beyond global disruptions, e-commerce growth continues to reshape the sector at an exponential pace. To thrive, T&L operations must optimize efficiency and meet omnichannel expectations effortlessly.

Today, enterprise customers want to make their users more versatile - enabling them to use their device in multiple workflows. Devices need to be easy to manage, easy to deploy (to increase ROI) and easy to utilize to develop new business applications.

1. [Gartner Survey Shows 73% of Companies Have Made Supply Chain Network Changes in the Past Two Years](#)

2. [Global Retail E-Commerce Forecast, 2024 To 2028, Forrester](#)

3. 5G Cell Carrier Certifications available in select regions outside of US and Canada

## $4.4T    $6.8T

**Forrester forecasts that global retail e-commerce sales (at $4.4 trillion in 2023) will grow to $6.8 trillion by 2028.[2]**

Honeywell is empowering T&L companies to overcome complexity in their supply chains and evolve their operations. A large part of this is ensuring they have the best solutions in place, with hardware, software, accessories and support which means they are fit for today, and prepared for tomorrow.

One such example is the Honeywell CT32 Mobile Handheld Computer – a powerful and versatile device, perfectly at home in T&L and retail environments. The latest 5G[3] mobile computer innovation, the CT32 is loaded with value added features improving productivity and efficiency for workers.

# MANAGING
# SUPPLY CHAIN
# COMPLEXITY

**The CT32 is changing the game for T&L companies across many key challenge areas including:**

**1** **AGILITY**

**2** **RELIABILITY**

**3** **COST-EFFICIENCY**

**4** **SECURITY**

Over the following pages we'll take a brief look at how the CT32 addresses these four considerations – and we'll also look at common use cases for T&L.

# AGILITY



The world of retail – and all its adjacent sectors and businesses – is famously fast-moving and changeable. This means T&L operators are under continual pressure to keep their operations fast, agile and flexible; able to scale and pivot where and when necessary.

Some of the challenges seen in the warehouse and the wider supply chain include seasonal spikes in capacity, busy environments seeing picking obstructions and delays, and inflexible setups being unable to adjust in real-time. To keep pace, operations need flexible solutions that can scale seamlessly for seasonal peaks or client growth spurts – enter the Honeywell CT32, where agility meets opportunity.

For IT and operations managers, such challenges are often compounded by complexity in managing various legacy products.

Added to this, many T&L companies aren't accessing the data available to them or utilizing it to identify specific insights which can drive improvements in operational efficiency, workforce experience, and last mile delivery. Software can uncover information about how devices are used in the warehouse, in transit, at point of delivery, and in fact throughout the whole value chain. This can allow managers to themselves be agile, and to adapt workflows for greater efficiency and productivity.

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## AGILITY & THE CT32

Rugged, easy-to-use and very powerful. Capable of reading both short and long-range barcodes in challenging work environments.

# RELIABILITY
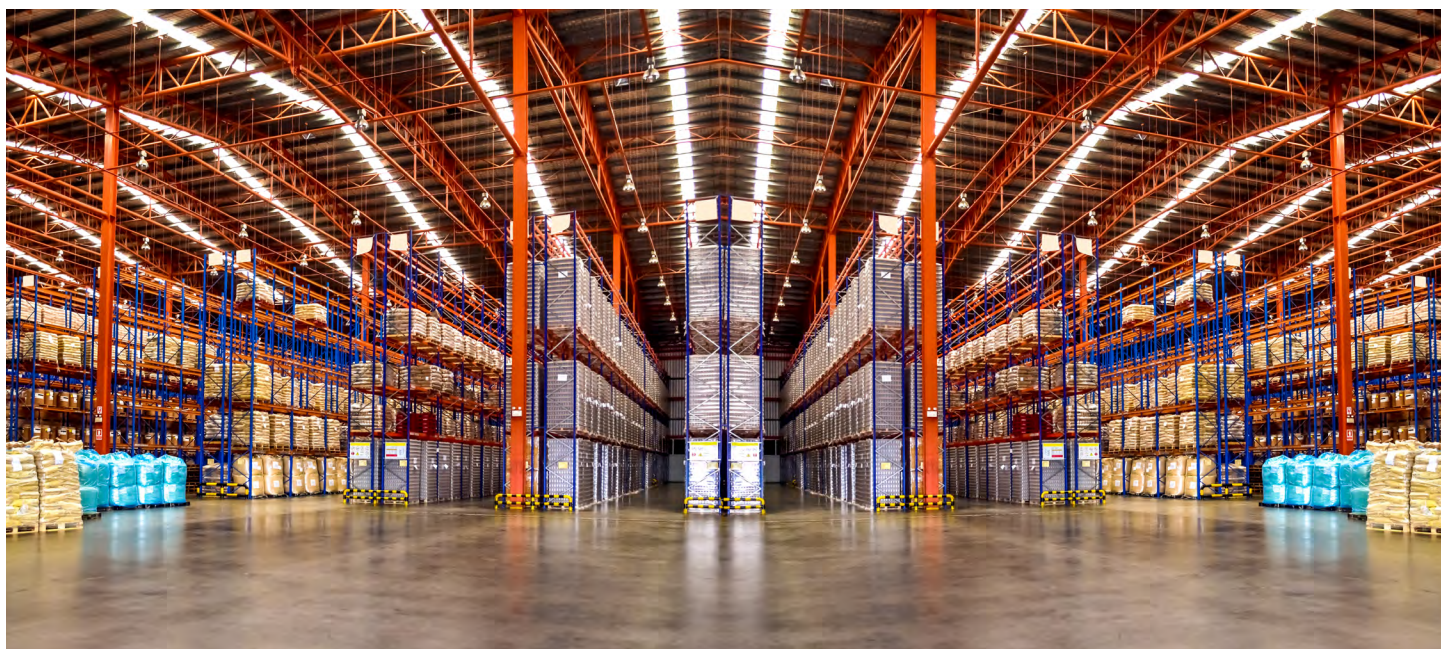


Events of recent years have left supply chains very aware of their vulnerabilities and dependencies. Geopolitical uncertainty and global supply chain vulnerability remain pressing concerns for T&L operators.

In turbulent times, ensuring reliable, smooth-running operations is not just important – it's essential. Organizations can't afford the expenses that come with downtime caused by unreliable equipment, or delays stemming from inappropriate technology or its usage.

Delivering reliability isn't optional: it's a must-have. Small delays caused by inefficiencies have a cumulative effect on your speed of delivery, and your bottom line.

Honeywell can help you minimise everyday obstacles and disruptions, enabling you to avoid unplanned equipment maintenance and downtime, and instead to focus on workplace efficiency and process optimization.

The CT32 on the Mobility Edge™ platform brings stability to T&L operations by implementing a platform approach: delivering a durable, stable and secure platform on which businesses can build solutions confidently and reliably.

The reliability and effectiveness of Honeywell's solutions – such as the CT32 – paired with our unmatched sector expertise and on-going service, delivers the longevity that's critical for T&L. Our global reach ensures you can rely on our robust supply chain, so you can focus your resources on delivery without worrying about the sustainability of the supply chain or the sourcing of new units.

## RELIABILITY & THE CT32

Honeywell's Mobility Edge™ platform helps maintain communication and network uptime.

# COST-EFFICIENCY

As cost pressures rise, reducing Total Cost of Ownership (TCO) is a vital focus for T&L providers seeking enduring financial predictability. Among the current challenges that feed into this are:

- Rising labor costs driving a need to reduce costs elsewhere in operations

- Picking and packing inefficiencies driving up costs per order

- Poor inventory management leading to excess storage and waste

- Inappropriate technologies slowing down operations across the value chain

Today, it's imperative for T&L companies to identify and implement solutions which offer unrivalled accuracy and quality while reducing TCO. Companies must assess products for initial cost, but also the cost of the ongoing requirements for maintenance and workflows involved in using it.

Having a partner with the resources and capability to offer world-class service levels helps keep TCO down across the lifecycle of your products. Equip your operations with CT32 to deliver measurable savings in TCO while enhancing productivity from day one.

## COST-EFFICIENCY & THE CT32

Rugged design built to withstand constant daily use and minimize the costs and downtime that result from hardware failure.

## HONEYWELL OPERATIONAL INTELLIGENCE

Honeywell Operational Intelligence is a cloud-based software that allows you to see what's going on with every device in your estate.

Features such as real-time tracking, device analytics and remote security updates help you cut the costs of devices being out-of-action. Operational Intelligence also helps reduce your costs by providing in-depth analytics which help you to improve end-to-end workflows and address challenges before they impact productivity.

# SECURITY

Connectivity fuels modern supply chain operations, from real-time tracking to seamless communication. But with growing reliance on digital networks comes heightened exposure to cybersecurity risks, demanding robust protection. Keeping on top of this is an ongoing challenge for the T&L sector; many companies may have tight security KPIs mandated by partners.

**SECURITY IS INEVITABLY A KEY CONSIDERATION FOR IT TEAMS SEEKING TO INTRODUCE NEW DEVICES INTO THEIR TECHNOLOGY MIX.**

Delivering world-class security is critically important to Honeywell across any digitally networked products and processes. Through the Honeywell Mobility Edge™ platform, each CT32 device can be configured once, and rapidly deployed throughout the workforce without compromising on security.

## SECURITY & THE CT32

Built on Honeywell Mobility Edge™ for exceptional security.

## HONEYWELL MOBILITY EDGE™

Devices based on the Mobility Edge™ platform are intended for businesses that invest in powerful solutions to gain competitive advantage. The Mobility Edge™ platform is a durable, stable, secure foundation on which to build these solutions. The platform enables a longer productive life, superior security, optimized performance, and accelerated deployments.

Combined with the powerful, cloud-based, Operational Intelligence asset optimization solution, IT leaders can empower operations with competitive advantage, high productivity and low TCO, all with a user experience that keeps front-line workers productive and engaged.

# THE HONEYWELL CT32:
# A TRUSTED MOBILE COMPUTER FOR T&L

Boost productivity, accuracy and reliability across your enterprise operations –
and throughout the whole T&L value chain – with the CT32. Designed for comfort
and efficiency, it delivers versatile connectivity to ensure seamless operations,
while its reliability over the lifecycle ensures it delivers an outstanding return on investment.

## USER-CENTRIC DESIGN

Featuring a 6-Inch Full HD
(1080 x 2160) display and
a sleek design for enhanced
comfort, usability, and
user experience – easy
to hold and operate.

## SUPERIOR CONNECTIVITY

5G + Wi-Fi 6E capabilities
ensure your workers
are always connected
and in sync.

## TOTAL SOLUTION

Honeywell's full solution
includes hardware,
software, accessories,
service and support.

## ENHANCED RUGGEDNESS

Engineered to endure a 1.5m
drop without boot, 1.8 m with
boot, 1,000 tumble rating and
IP65 and IP68. Its modern
design and rounded corners
provide excellent durability.

## INTELLIGENT DEVICE

The CT32 is equipped with
light sensor, motion sensor
(3-axis accelerometer with
MEMS gyro), proximity
sensor, magnetometer.

## MULTIPLE SCAN ENGINE OPTIONS

The S0703 / S0803 scan
engine is capable of
reading both short and
long-range barcodes.

## A range of accessories

Out of the box, the CT32 Handheld Computer comes with a battery (4500 mAh),
an ergonomically designed and highly durable hand strap and USB-C cable.
A comprehensive range of additional accessories are also available
to help you maximize its efficiency, whatever your environment and whatever the need.

# TRANSPORTATION & LOGISTICS USE CASES

## Fleet management

Fleet managers can monitor vehicle locations, maintenance schedules, and driver performance through mobile applications on the device.

## Inventory management

Track packages and manage inventory to ensure all items are accounted for and delivered correctly.

## Last mile delivery

Update delivery statuses, capture electronic signatures or photos, and provide real-time tracking information to customers using the CT32.

## Picking

Scan barcodes on packages and ensure accurate and efficient picking with the CT32.

## Warehouse management

The CT32 can help with receiving and put-away, location assignment; asset and equipment tracking.

## NFC payment on spot

Delivery personnel can use the CT32 to process payments on the spot, offering convenience to customers and speeding up transactions.

## Solving everyday painpoints for the T&L sector

| Persona / Use Case | Major Pain Points | Value of CT32 |
|---|---|---|
| **Warehouse Manager**<br>• Inventory management<br>• Warehouse picking<br>• Asset tracking | • Unreliable connections<br>• Slow data access<br>• Short reading range | • Reliable connection, real-time inventory tracking 5G + Wi-Fi 6E<br>• Long-range scanning through SO803 engine |
| **Logistics Co-ordinator**<br>• Shipping and packing<br>• Receiving and putaway<br>• Fleet management | • Connectivity and latency issues, especially outdoors<br>• Quality issues of the device<br>• Short reading range | • Reliable connection and low-latency data transition through 5G<br>• Robust mechanical design<br>• Long-range scanning through SO803 engine |
| **IT Manager**<br>• Device management | • Complexity in managing multiple legacy devices<br>• Short product lifecycle | • Simplified device management and integration through Mobility Edge™<br>• Long lifecycle |

# WHY HONEYWELL

The T&L sector today is balancing the need to serve the ever-growing customer expectation for quick and accurate delivery, while keeping operations agile, reliable and secure. The surge in demand driven by e-commerce should be a positive factor for T&L operators, but puts pressure on capacity, scalability and accuracy,

Having the right partner beside you will help you move forward into the future with confidence and invest wisely in technology for tomorrow.

Honeywell is a trusted partner with proven experience of future-proofing workflows across the entire supply chain. As a Fortune 100 company with over 100 years of developing pioneering technology, Honeywell can help solve your business-critical challenges.

Honeywell understands the T&L sector today like no other company. We're empowering companies to deliver safe and seamless operations across the entire value chain, end-to-end, through our high quality, world-leading solutions: improving operations and protecting your business from downtime.

Our deep, ongoing commitment to the T&L sector and our clients within it means we're literally investing in your future: few companies invest as much in R&D as we do. We bring you innovation quicker, enabling you to differentiate and compete.

And when it comes to sustainability: from driving accountability, to ensuring resiliency, to protecting the environment, Honeywell's broad portfolio of products and our company ethos demonstrate our commitment to enabling you to advance your goals.

**Accelerate your T&L operations with Honeywell's expertise and future-ready solutions. We give you peace of mind, to let you get on with driving success.**

Get on top of the most pressing challenges facing
T&L today by partnering with a company with huge
experience of supporting the sector successfully.

Get in touch with one of our experts to unlock the future of T&L excellence.

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