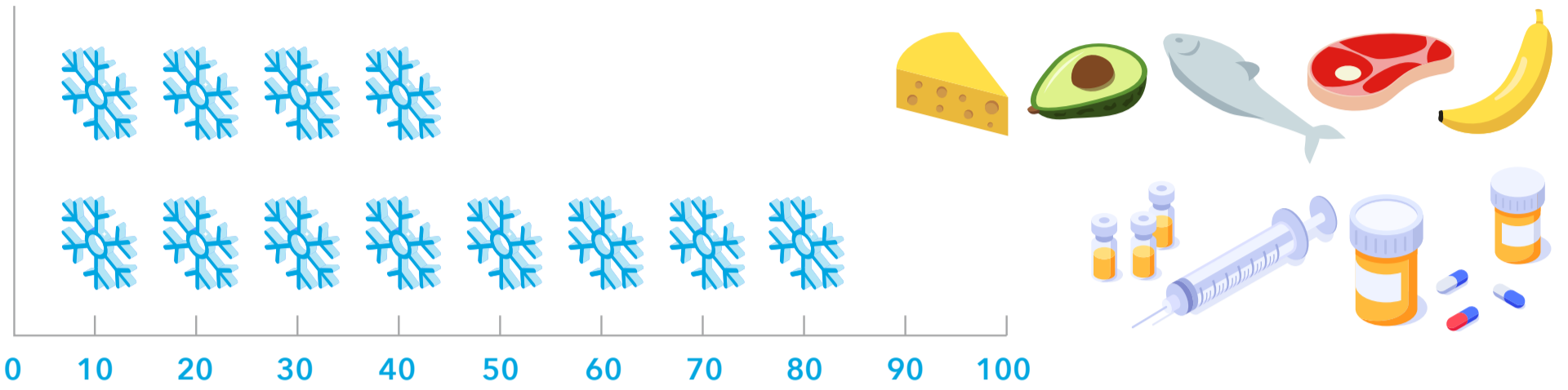


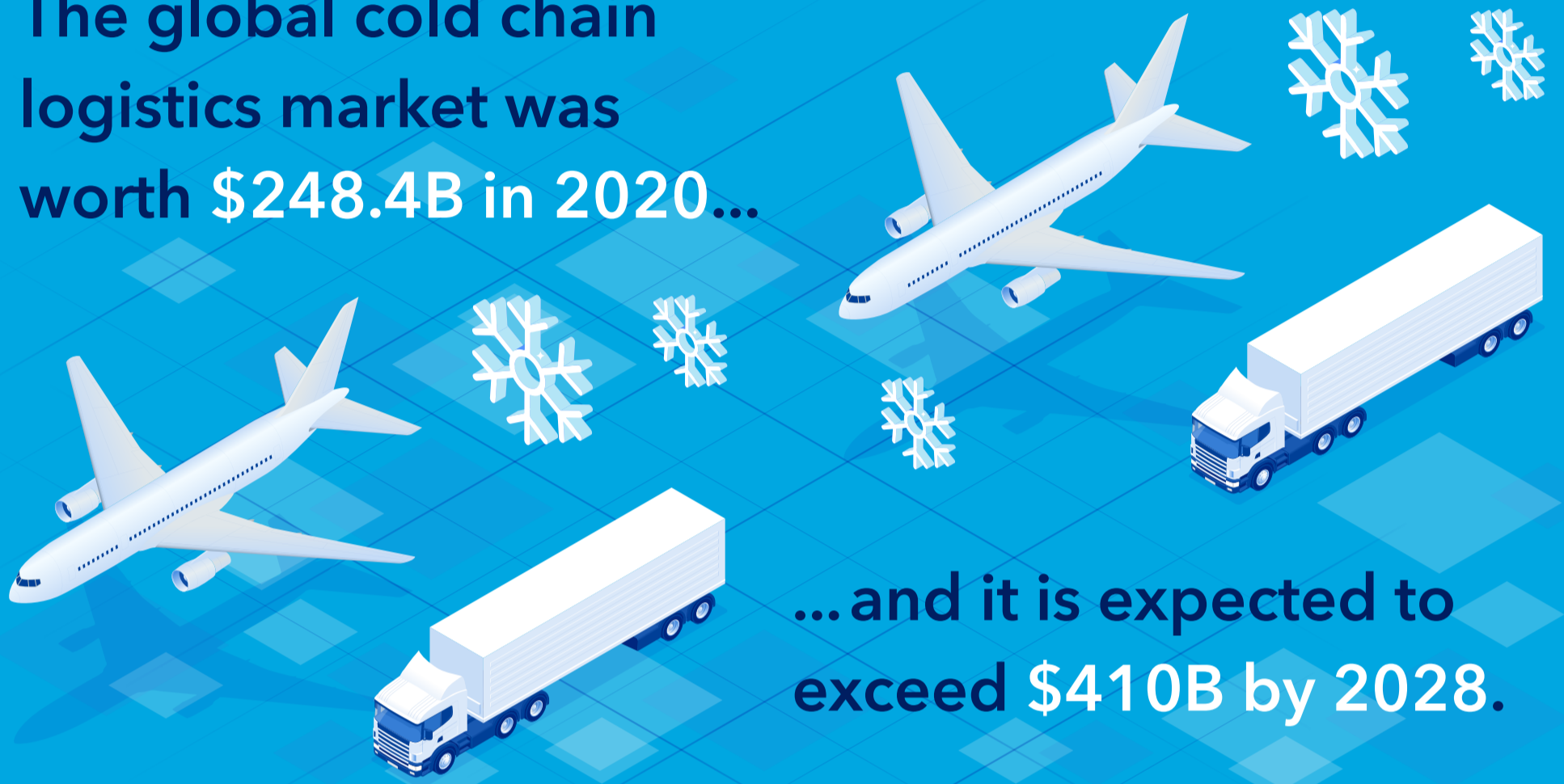
IoT data security and the cold chain



Roughly **40 percent** of all food and beverage products and **80 percent** of pharmaceutical products require temperature-controlled transportation.¹ This is known as “cold chain.”



The global cold chain logistics market was worth **\$248.4B** in 2020...



...and it is expected to exceed **\$410B** by 2028.

IoT devices experience an average **5,200 attacks** per month.



Top 3 cold chain challenges



1 Security

There were 56.9 million malware attacks on IoT devices in 2020.



2 Sustainability

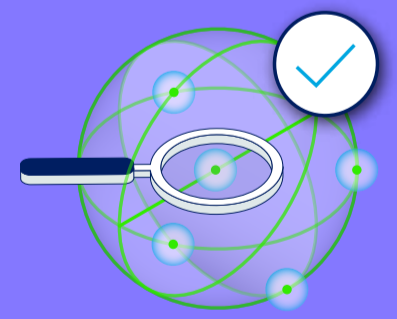
Cold chain transport consumes 20 percent more fuel than other heavy vehicle types due to the refrigeration equipment.



3 Complex regulations

There are over 20 key regulations for cold chain.

Trust the authenticity and integrity of your IoT data



Top 3 cold chain IoT vulnerabilities



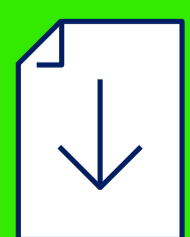
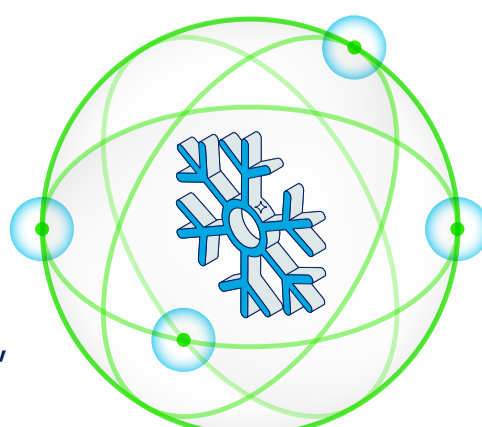
- 1 Implementation errors
- 2 Lack of encryption
- 3 Insecure interfaces

1. <https://controlant.com/blog/2019/how-technology-is-driving-sustainability-and-climate-action-within-the-cold-chain/>
 2. <https://www.statista.com/statistics/1107947/cold-chain-logistics-market-size-worldwide/>
 3. <https://www.statista.com/statistics/1107947/cold-chain-logistics-market-size-worldwide/>
 4. <https://www.globalsecuritymag.com/iot-malware-attacks-worldwide,20210324,109671.html>

5. <https://trinitylogistics.com/facing-cold-chain-challenges/>
 6. <https://www.coleparmer.com/tech-article/cold-chain-management-regulations>
 7. <https://cybermagazine.com/top10/top-10-cyber-security-threats-2021/iot-devices>
 8. <https://resources.infosecinstitute.com/topic/supply-chain-threats/>

Securely build your cold chain IoT ecosystem.

Learn how Intertrust maintains integrity, authenticity, and security of IoT device data—while raising revenues, safety standards, and efficiencies.



Download the brief now