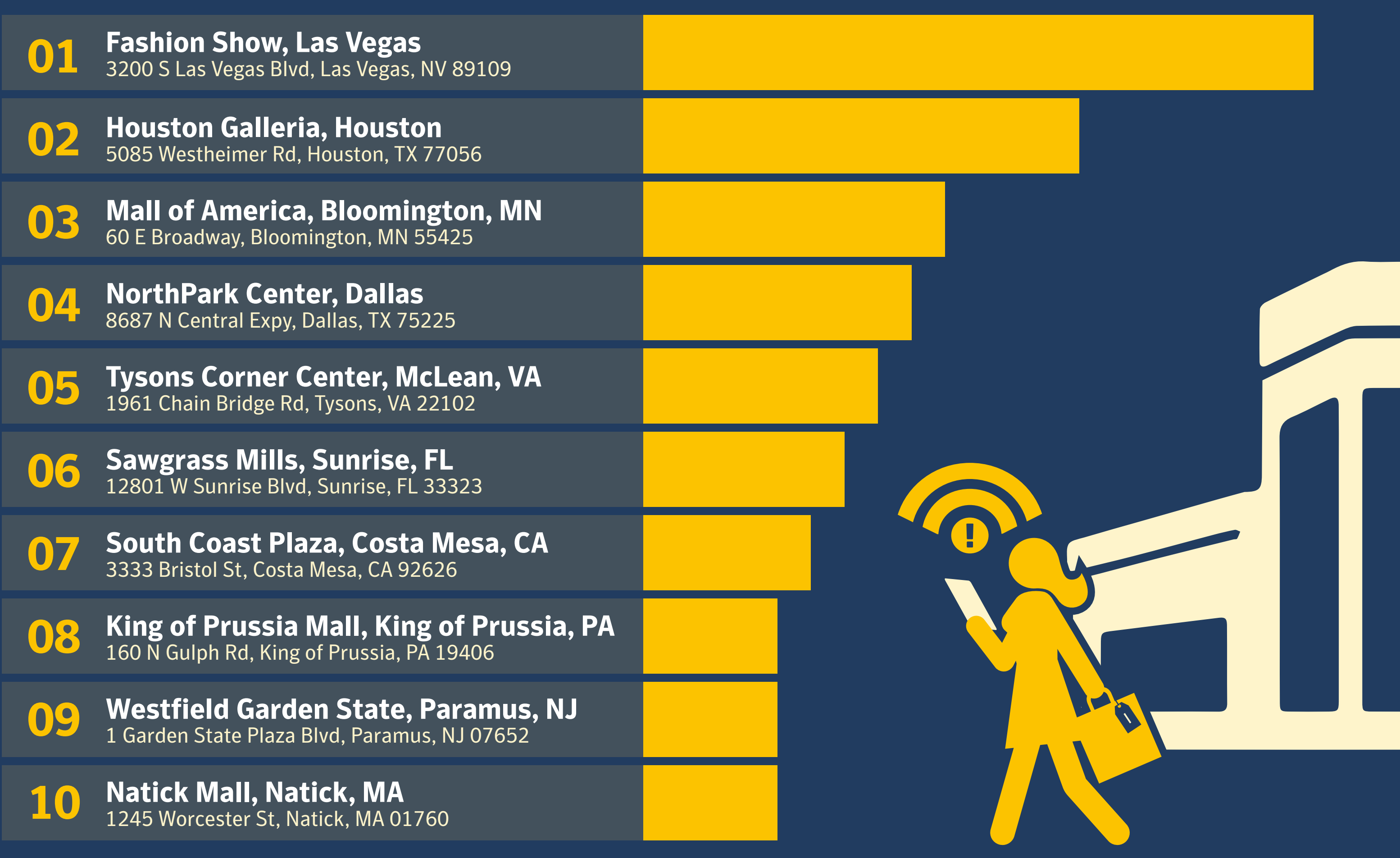
Mobile Holiday Shopping Threat Report

Q3 2017 Mobile Threat Intelligence Report

Top 10 Shopping Malls for Risky Wi-Fi Networks



01	**Fashion Show, Las Vegas** 3200 S Las Vegas Blvd, Las Vegas, NV 89109
02	**Houston Galleria, Houston** 5085 Westheimer Rd, Houston, TX 77056
03	**Mall of America, Bloomington, MN** 60 E Broadway, Bloomington, MN 55425
04	**NorthPark Center, Dallas** 8687 N Central Expy, Dallas, TX 75225
05	**Tysons Corner Center, McLean, VA** 1961 Chain Bridge Rd, Tysons, VA 22102
06	**Sawgrass Mills, Sunrise, FL** 12801 W Sunrise Blvd, Sunrise, FL 33323
07	**South Coast Plaza, Costa Mesa, CA** 3333 Bristol St, Costa Mesa, CA 92626
08	**King of Prussia Mall, King of Prussia, PA** 160 N Gulph Rd, King of Prussia, PA 19406
09	**Westfield Garden State, Paramus, NJ** 1 Garden State Plaza Blvd, Paramus, NJ 07652
10	**Natick Mall, Natick, MA** 1245 Worcester St, Natick, MA 01760

Wi-Fi Designed to Deceive

"Google Starbucks"
Wi-Fi a long way away from a Starbucks in Mall of America, Bloomington, Minnesota

"Apple Store"
14 incidents near MetroTech in Brooklyn, New York – closest Apple store is a mile away

"Dennys_Guest_WiFi"
Insecure Wi-Fi in Del Amo Fashion Center, Torrence, California

"ANTHRO_GUEST_WIFI"
Decrypting Wi-Fi in King of Prussia Mall, King of Prussia, Pennsylvania

"Office Depot"
2 incidents across the highway from an Office Depot in Lake Forest, Alabama – too far away to be the real Wi-Fi

"SIMON WiFi"
Malicious Wi-Fi in Sawgrass Mills, Sunrise, Florida

Commerce Apps to Avoid While Shopping

Repackaged apps
Repackaged Starbucks app has malicious code added by the hacker

Fake apps
Amazon does not offer a Reward app, or an app that uses this icon

Trojan apps
CJ Mall Shopping app contains the Trojan "Wroba" to steal user data

Adware
Online Shopping USA app generates lots of popup ads to drive revenue

Why Cyber Criminals Are Looking Forward to Holiday Shopping

$1.04 trillion
expected retail holiday sales between November and January this year
(Deloitte)

52.99%
of global web traffic came from mobile devices in Q3 2017
(Statista)

46%
of e-commerce website visits came from mobile phones on Thanksgiving Day
(Adobe Analytics)

64%
made a mobile payment in the last 12 months as of January 2017
(Statista)

77%
of shoppers use a mobile device **while shopping in-store**
(Salsify)

60%
of clicks on mobile banner ads are mistakes
(Retale)

$780 billion
Estimated total revenue of global mobile payment market
(Statista)

$209 billion
Worldwide Digital Ad Spending in 2017 – more than TV for the first time!
(Magna, IPG Mediabrands)

Top Safety Tips For Shoppers

01 **Avoid "Free Wi-Fi" networks.**
10 percent of malicious networks have the word "Free" in their name.

02 **If you see a Wi-Fi that is named as if it is hosted by a store, but that store is nowhere nearby, don't connect.**
Remember that mobile devices automatically join "known" Wi-Fi networks without any user intervention.

03 **Only download mobile apps from reputable app stores.**
Such as the Google Play store and Apple's App Store.

04 **Read the warnings on your device and don't click "Continue" if you don't understand the exposure.**

05 **Update your device to the most current operating system version.**

06 **Disconnect from the network if your phone behaves strangely**
For example, frequent crashes or you receive a warning notification.

07 **If you see a suspicious app, text, or Wi-Fi network, or your device acts strangely, report it to mobileforensics@symantec.com.**

08 **Protect your device with a mobile security app like SEP Mobile.**

About the Mobile Threat Intelligence Report

The Symantec Mobile Threat Intelligence Report reviews worldwide threat intelligence data. Today's report is based on millions of monthly security tests by Symantec Mobile Security Research Team from July through September 2017 and includes both unmanaged devices and those under security management in enterprise organizations. Data includes Symantec's proprietary Mobile Threat Risk Score, which acts as a credit score to measure the risk of threat exposure for mobile devices. For organizations, Symantec condenses millions of data points to calculate a risk score so that IT can quickly discern the state of the overall system and the risk to each device. Symantec analyzes over 1 million apps and more than 2 million unique networks worldwide every year.