



Cybersecurity 2022

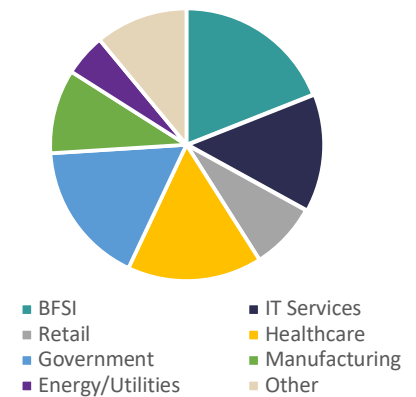
PATENT MARKET OVERVIEW

Using traditional IP expertise combined with cutting-edge software to create tangible market value for clients

Key Market Insights

- Continued increase in cybersecurity patent monetization activity is anticipated due to:
 - Record high patent filings again in 2021, following a decade of YoY increase in filings;
 - Historical patterns of increased patent litigation after intense market growth; and
 - Massive investment funding in cybersecurity ventures since 2015.
- Cybersecurity patent litigation is much more balanced between NPE and OpCo, compared to 90% attributed to NPEs just 3 years ago.
- McAfee is the largest patent holder amongst cybersecurity companies, owning 1/3 of the patents held by the top 10 cybersecurity companies.
- Demand for new patented cybersecurity solutions due to:
 - The rollout of 5G, especially amidst the expansion of remote work;
 - Insider threats that enable hackers; and
 - Blockchain and quantum crypto becoming mainstream and presenting new challenges.

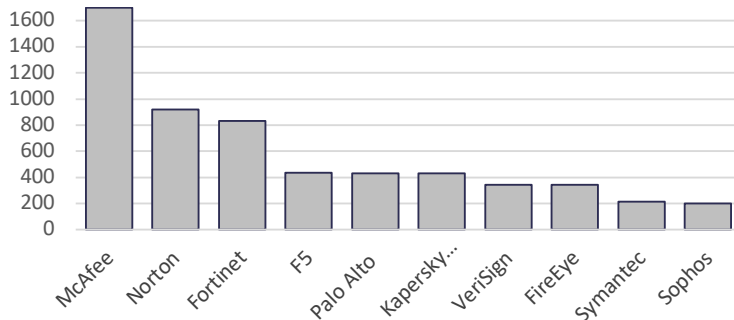
2021 U.S. Cybersecurity Market by Industry



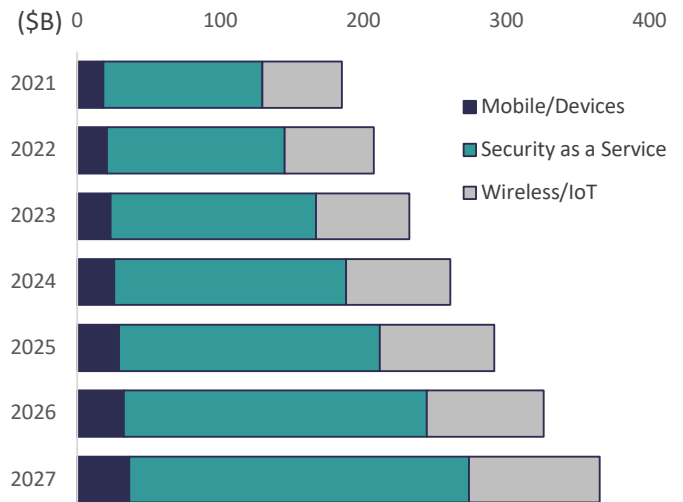
VITEK IP CORE OFFERINGS

- Analysis & Valuation
- Automation Technology
- Brokerage
- Patent Market Research
- Patent Creation & Innovation
- IP Software Products

Cybersecurity Company U.S. Patent Holdings



U.S. Cybersecurity Market 2021-2027



Recent Cybersecurity Patent Litigation

| Patent Owner | Entity Type | Tech Area | Defendant(s) of Note | # of Defendants | # of Patents | Start |
|----------------------|---------------|-----------------------|--|-----------------|--------------|--------|
| AltPass | NPE | Mobile Device Unlock | Alphabet (Google); Apple; Microsoft | 9 | 3 | Apr-20 |
| Moxchange | NPE | Wifi Authentication | Carestream Health; Residio Technologies | 27 | 1 | Aug-20 |
| Aire Technology | NPE | Secure NFC | Samsung | 4 | 4 | Aug-21 |
| Taasera Licencing | NPE | Network Security | Trend Micro | 3 | 10 | Jan-22 |
| Centripetal Networks | Operating Co. | Network Security | Cisco; Palo Alto Networks | 4 | 32 | Jul-17 |
| Virtru Corp. | Operating Co. | Cloud Security | Microsoft | 1 | 3 | Mar-22 |
| Webroot / Open Text | Operating Co. | Anti-Malware | AO Kaspersky Lab; CrowdStrike; Trend Micro | 6 | 7 | Mar-22 |
| SecurityProfiling | Inventor | Anti-Malware | Cisco; Trend Micro | 4 | 14 | Jul-16 |
| Nobots | Inventor | CAPTCHA | Alphabet (Google) | 1 | 2 | Dec-21 |
| Desktopsites, Inc. | Inventor | Remote Desktop Access | Dell (VMware) | 1 | 3 | Mar-22 |
| Columbia University | University | Anti-Malware | NortonLifeLock | 1 | 6 | Dec-13 |