

TOP 10 EMERGING TECHNOLOGIES

CompTIA

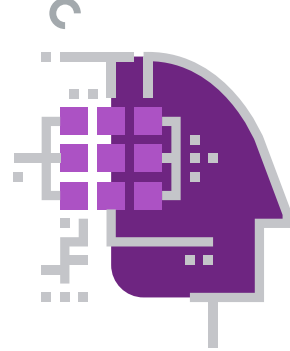


Emerging
Technology
COMMUNITY

1

AI

Artificial intelligence (AI) refers to programmed algorithms that automatically parse and apply knowledge. From security to sales applications within businesses of all sizes, AI is the largest force in emerging technology today.



2

5G

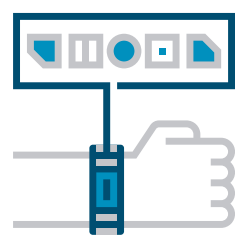
5G's improvements—low latency, intelligent power consumption, high device density and network slicing—make it a breakthrough and an opportunity for the channel. 5G will make augmented reality, smart cities and connected cars truly possible.



3

IoT

Internet of things (IoT) brings together information from a series of connected devices that allows for the creation of analytics of systems. These platforms, devices and datasets have the potential to provide insights, efficiencies and new business opportunities.



4

SERVERLESS COMPUTING

Serverless computing, or function as a service (FaaS), enables organizations to build applications that scale in real time, responding to demand that may change instantaneously by orders of magnitude. FaaS offers a consumption-based platform, allowing developers to quickly and cost effectively deploy applications.



5

BIOMETRICS

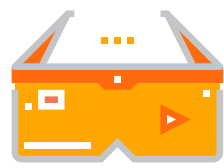
Biometrics will play an important role in improving security by allowing people and devices to authenticate and move seamlessly through our high-tech world.



6

AR/VR

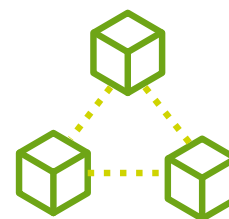
Mixed reality technologies (AR/VR) are transforming the way we engage with machines, data and each other. Organizations are using mixed reality, AI and sensor technologies to enhance execution flexibility, operational efficiency and individual productivity.



7

BLOCKCHAIN

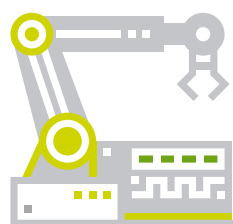
Blockchain is solving the growing need to secure and manage transactions across the internet, as it provides a flexible alternative to centrally managed record keeping. Distributed ledger technologies have proven valuable in managing data and supply chain challenges.



8

ROBOTICS

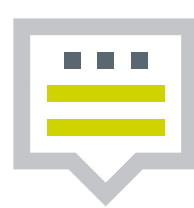
Robotics are shifting from industrial use to service delivery and have the potential to create change impacting our homes and businesses physically and virtually.



9

NATURAL LANGUAGE PROCESSING

Natural language processing (NLP) is a field of AI that enables computers to analyze and understand human language. Speech-to-text converts human language to a programming language, and text-to-speech converts a computer operation to audible response.



10

QUANTUM COMPUTING

Quantum computing is the engine that will drive our ability to process and analyze big data and will be the key to leveraging machine learning and the power of AI.

