

# WI-FI 6E: A GAME CHANGER FOR EDUCATION

With access to all 1200 MHz in the 6 GHz band, Wi-Fi 6E can deliver the bandwidth to transform learning & research

## IMMERSIVE LEARNING



All the students in a classroom (rather than just the lucky few) can use virtual reality and augmented reality to learn.

## MORE INTERACTION



Students and teachers can work together on HD multimedia content.

## FASTER RESEARCH



Researchers can easily transfer, manipulate and analyse large data sets.

HPE Aruba Networking is upgrading the network infrastructures of more than 250 educational institutions across the U.S. with Wi-Fi 6E.



## CASE STUDY

**At the University of Michigan, 56,000 students, 8,000 faculty members, and 30,000 university staff now have access to Wi-Fi 6E.**



The University says Wi-Fi 6E delivers download speeds of up to 750 Mbps & supports 70,000 concurrent Wi-Fi connections.



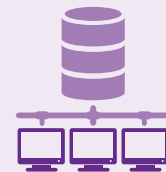
### COLLABORATIVE LEARNING

More than 500 students at a lecture can all log into Zoom in order to share their screen and give presentations.



### CONTROLLING ROBOTS

The University's research team is developing robots, which use low latency Wi-Fi 6E to connect to a central controller.



### BIG DATA HANDLING

The University uses Wi-Fi 6E to handle data sets generated by the US\$1.7 billion it spends on research each year.



### SMOOTH DEPLOYMENT

The University upgraded 16,000 access points in 225 buildings to Wi-Fi 6E with only minutes of downtime.



### MORE SUSTAINABLE

Fewer wired connections means fewer switches in wiring closets, which means less electronic waste and a lower carbon footprint.