

# SWITCHING TO IPv6

Time to consider in your Strategic Plan?



There are 4.3 billion, 32-bit, IPv4 addresses available on the Internet, and industry experts estimated 50 billion NEW devices online in 2020.

## THE PROBLEM

The IP assigning organization has run out of IPv4 addresses. There are no more left. None.

## THE SOLUTION

IPv6.



### SECURE

Thanks to a simplified routing process



### EFFICIENT

Access and manage each device remotely over the internet



### FASTER

Thanks to a simplified packet header structure

## TIME FOR A CHANGE

### INTERNET ENGINEERING TASK FORCE (IETF)

Anticipated the IP shortage problem and developed a new Internet Protocol to phase out the old one and its limited number of IP addresses. They called it IPv6.

### 128-BIT ADDRESSES

Affording about 4 billion times available space than that of IPv4.

### COMPANIES USING IPV6

Google, Facebook, Netflix, Comcast, Sprint and many more.

### PS LIGHTWAVE IMPLEMENTATION

Providing IPv4 and IPv6 as dual stack to our customers for several years now. This means that you can run IPv4 alongside IPv6 and your devices can use either IP and take advantage of IPv6-enabled services.

## IPv6 & THE INTERNET OF THINGS (IOT)

### HOW IT WORKS

With IPv6, devices are assigned individual IP addresses. Meaning, you will be able to access and manage each device remotely over the internet.

### WHAT THAT MEANS

Things like home automation (thermostats, lighting systems, video cameras), and devices and applications (software, cloud platforms, onsite servers, email systems) will no longer have to go through a complicated routing process to reach the internet.

## PS LIGHTWAVE IS READY

### SECURE PRODUCTS AND SERVICES

LIGHTWAVE's engineers are experienced with helping customers add IPv6 to their Internet service while ensuring our customers have the most secure network available.

## CONTACT US FOR MORE INFORMATION ON HOW YOU CAN GET STARTED WITH IPV6.



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