



## **HP FutureSmart - Feature differences between HP FutureSmart 4 and HP FutureSmart 5**

### **HP FutureSmart 5 is HP's newest revision of Enterprise printer firmware.**

HP Enterprise and HP Managed printers have two recent major firmware levels available: HP FutureSmart 4 and HP FutureSmart 5. When upgrading to a new HP FutureSmart Level, many settings are retained on the printer.

HP FutureSmart 5 includes all the features available in HP FutureSmart 4 along with new features and enhancements. For most printers, the experience will remain the same experience as HP FutureSmart 4.

HP FutureSmart 5 is being introduced with new 2021 HP Enterprise and Managed printers. When HP FutureSmart 5 is available for all compatible products, HP will only supply new product features, fixes, and enhancements with HP FutureSmart 5 firmware rolls. HP FutureSmart 5 will become the preferred operating system for all compatible printers.

Users can upgrade compatible printers to HP FutureSmart 5 to take advantage of the new capabilities that HP FutureSmart 5 will enable with future features and enhancements provided in new firmware rolls.

**Note:** Printers introduced to the market after Spring 2021 cannot be downgraded to FutureSmart 4. Printers introduced after Spring 2017 cannot be downgraded to HP FutureSmart 3 (HP Easy Select control panel user interface).

### **About HP FutureSmart firmware**

HP FutureSmart firmware is a powerful operating system available on HP LaserJet and HP PageWide Enterprise and Managed printers. It enables customers to interact with and manage their printer from a control panel located at the printer or remotely from a web browser including the following features:

**Note:** HP FutureSmart firmware features, configuration options, and look/feel vary from printer to printer depending on the printer model.

- Install updates on your schedule.
- Ability to upgrade HP FutureSmart in small increments over time. Similar to a PC operating system, you can choose to update with service packs or to update to a new firmware level.
- Seamlessly incorporate paper documents with digital content right from the printer.
- A tablet-like interface streamlines day-to-day and maintenance operations from the control panel.

- A message center that provides detailed information and helpful animations to help manage notifications at the control panel.

## Advantages of HP FutureSmart 5

*HP FutureSmart 5 offers the same advanced enhancements and a high degree of customization available in HP FutureSmart 4 with some additional features.*

These feature enhancements remove settings and obsolete technology to streamline operations for select new printers releasing in 2021, and to help make tasks easier and more secure for users.

**Note:** An administrator password is required, or the access control restrictions must be removed, to allow users to access or modify some of these features.

## Deprecated or obsolete networking settings

**Note:** Any HP FutureSmart 4 printer that can be upgraded to HP FutureSmart 5 is not affected and the networking settings will not be deprecated when updating to HP FutureSmart 5. For a list of printers compatible with HP FutureSmart 5, go to <https://www.laserpros.com/img/TechTips/printer-compatibility-with-hp-futuresmart-5.pdf>.

For new products that introduce to the market starting in 2021, HP FutureSmart 5 and newer will be the installed firmware version. Some specific networking settings are obsolete and the following settings will be removed from all printers released in 2021 and newer:

- Default-IP, RARP, ARP-Ping configuration
- ACL (access control list) – Firewall is enhanced to provide the same functionality and ease of use.
- Kerberos authentication in IPSec
- FTP-Print
- TFTP configuration
- Interlock mode – Require an acknowledgment (ACK) on all TCP packets before the printer can close a port 9100 print connection. Specify a port number and parameter value.
- Telnet configuration - SNMP OIDs and/or EWS settings added to cover all unique Telnet settings.
- Dynamic RAW port in Port 9100
- Interface-specific DNS resolution/resolver

## Variances from HP FutureSmart 4

Some specific variances in settings exist for products introduced in 2021 with HP FutureSmart 5 and newer.

- SNMPv3 USM accounts – OIDs that allow the definition of additional accounts are not persistent. Only the account defined in the EWS will be retained through a reboot.
- DNS suffixes – total number reduced from 24-36 to six.

- DNS resolution not interface-specific
- TCP MSS (maximum segment size) – one setting applies to all interfaces
- SNMP not interface independent. Most settings are applied to all interfaces.
- IPSec – minor functionality variances
- Interface-specific secure communication settings (TLS and cipher settings)

For more information about HP FutureSmart, go to [www.hp.com/go/FutureSmart](http://www.hp.com/go/FutureSmart).

