



Olivetti

Secure Environmental Solutions
for our vulnerable World





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SECURITY MEASURES FOR DATA PROTECTION

With Olivetti, your data security is in safe hands

Data security is still one of the hottest topics in today's business world.

Recently articles released worldwide have highlighted the fact that today's printers and MFPs should be treated no differently than any other IT peripheral connected to the network as they use hard drives, processors and network cards found in any PC. In fact, one of most regular enquiries we receive today from customers is "how secure is my data and how can I control who has access to the machine?".

At Olivetti the core products, comprising printers, copiers and MFP all now offer customers the opportunity to protect their data and, ultimately, their expenses and profit.

At Olivetti, we take the question of security and control very seriously, that is why all our A3 Colour MFPs come with a robust and complete security suite built-in, conforming to the ISO15408 or EAL3 Common Criteria standard.

For example, all data stored on to the HDD is fully encrypted. In fact, the HDD can also be set up to automatically delete information after copying, scanning, printing or faxing. The HDD is further protected by a password, so even if it was removed and placed into a PC, without the password, access to the HDD is denied without a password. With the new HD-524 option a second hard disk is 'mirrored' with the primary hard disk to prevent data loss in the case of failure of the primary hard disk.

The Administrator can also initiate a full sanitising of the HDD if the MFP is relocated to another department or location. In data sensitive environments, data can also be fully over-written to up to 8 levels, this complies with the strict criteria as set down by the US Department of Defence.



Olivetti MFPs also support User Authentication with up to 1,000 accounts built-in where control of colour use can also be set. Users can authenticate against the MFP or an external authentication server such as Active Directory. Authentication can be carried out by entering the User ID and password, or for faster access via the unique Biometric Finger Vein option or IC Card option.

A popular feature for users is Olivetti's ID and Print technology: simply authenticate at the machine and your personal job is immediately printed. In addition, any job the user saves to their personal Mailbox, can only be accessed by their unique password.

User authentication can be managed by card readers (various versions are available as options), Android mobile devices can operate the NFC technology or biometric authentication involving the detection of finger vein mapping (available with option AU-102) and Apple devices can access this via Bluetooth.



With the formulation of Olivetti's partnership with 3rd party software companies, such as Scanshare, YSoft and Paper Cut, there is an increasing choice in the availability of server-based solutions for managing documents on a network and ensuring security, print and access management with monitoring and reporting across all products regardless of the parent OEM.

Most MFP and printer devices have an interface for USB memory sticks which allows a quick and simple method of printing and scanning documents directly without needing to connect a printer to a PC or laptop.

While this may increase the risk of uploading a virus, in general terms, the Olivetti models, that support USB direct printing, are not affected because users have to follow built-in procedures to reduce security risks, before they can print, to prevent this from happening.



OLIVETTI AND THE ENVIRONMENT

The importance of Environmental Standards Compliance

The ErP (Energy-related Products) Lot 6, enforced from 7th January 2013, is an EU eco-design directive with the aim to evaluate and reduce the environmental impact of electronic products with regards to the use of energy.



Olivetti's MFPs and printers are designed to comply with this standard from the outset. To be compliant with ErP Lot6, an electronic device must match the following criteria:

- 1. Limitation of power consumption** - The maximum power consumption of electronic devices in standby mode to be less than 0.5W
- 2. Power consumption management** - The device should be switched to 'stand-by' mode automatically, when the device is not used.

The influence of Energy Star 2.0

Energy Star is a trusted, government-backed symbol for energy efficiency. It helps users to save money and protect the environment through energy-efficient products and practices.



To address this demand, Olivetti's products not only meet the Energy Star accreditation, but actually perform better than the standards suggest. So what does that mean?

The Energy Star label was established in a bid to reduce greenhouse gas emissions and other pollutants, caused by the inefficient use of energy, and make it easy for consumers to identify and purchase energy-efficient products that offer savings on energy bills without sacrificing performance, features and comfort.

Olivetti's products earn the Energy Star label by meeting the energy efficiency requirements set out in Energy Star product specifications based on the following set of key guiding principles:

- Products must contribute significant energy savings nationwide.
- Qualified products must deliver the features and performance demanded by consumers, in addition to increased energy efficiency.
- Energy efficiency can be achieved through broadly available, non-proprietary technologies offered by more than one manufacturer.
- Product energy consumption and performance can be measured and verified with testing.

That means, our products have been specifically designed to reduce the amount of energy office machines use. New state-of-the-art technologies such as Induction Fusing and Polymerised Toner, which has a considerably lower fusing temperature when compared to conventional pulverised toners, combine to achieve lower fixing temperatures and deliver shorter warm-up times.

The effects of Typical Electricity Consumption (TEC)

One aim for every newly developed Olivetti MFP is not only to follow the latest environmental regulations, but to fall well below the necessary limit values.

One very representative value is TEC (Typical Electricity Consumption) used for the Energy Star certificate. The TEC value is measured in KW/h per working week by representing a typical office environment and its data work-flow of copying, printing, scanning and faxing.

Calculations take into account fluctuations throughout the day so are really very accurate.

For instance, in Sleep Mode, the d-Color MF254, d-Color MF304 and d-Color MF364 have a reduced energy absorption of only 0.6 W, as well as significantly reduced TEC absorption (Typical Electric Consumption).

Noise and Disruption Reduction

It has been documented in government health and safety reports that noise and disruption to productivity in the work place can cause stress and fatigue so Olivetti's printers and MFPs have been designed to keep the sounds, during stand-by and operation, to an absolute minimum, to improve workers' concentration.

Olivetti's desktop models including products such as the the d-Copia 3524MF, are now manufactured with an optimised wind path, so the number of fans, to keep the engine cool, have been reduced. A Quiet Mode button can be selected on these models and this greatly reduces the sound when operating and complies with the stringent Blue Angel guidelines which focuses on chemical emissions, energy consumption and noise levels.

As well as this, all Olivetti models are designed with fewer working parts, and longer life-times on consumables, now, which automatically cuts down on sound levels and increases reliability, at the same time, so there is less disruption to workflow because of the need for fewer maintenance call-outs too.



Olivetti and the Environment

The current condition of the planet has focused attention on pressing environmental issues, encouraging all social partners (public authorities, associations, companies) to commit themselves to active protection and safeguarding of the environment.

Active participation in protecting the environment has always been at the top of Olivetti's list of priorities, as reflected in its corporate mission. Decades of indiscriminate over-use of raw materials and energy, to supply the pressing needs of a constantly expanding economic system, has seriously undermined the delicate equilibrium of world eco-systems.

To protect the environment and, therefore, the planet, a lasting compromise must be established between technological development and focus on protecting the environment. Olivetti has endorsed this concept, providing its contribution world-wide and has obtained ISO14001 certification, the international standard for environmental management.



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