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# TerraMaster TOS 6 Beta Unveiled: The Most User-Friendly and Visually Stunning NAS Operating System, Redefining Storage Experience

## TerraMaster, a professional brand that focuses on providing innovative storage products for homes and businesses, announces the brand new TOS 6 Beta operating system with more than 40 new functions and 370 improvements, providing TNAS users with an unparalleled upgrade experience.

Fromthenewuserinterfacetoenhanceddatasecurity,everyaspecthasbeencarefullyrefinedtoensureusershavethemostadvancedsolutionstostorageandadministration. TOS6isTerraMasterthe mostpowerfulterminaloperatingsystemtodate,bringingusersanunprecedentedexperience.  
  
TOS 6 Operating System Key Features  
  
TheLatestLinuxKernel  
  
ThekernelofTOS6isbasedonthelatestLinuxKernel6.1LTS, which introducesMG-LRUto enhance system performance, significantly improves the performance of the btrfs file system, adds erofs forcross-filesystemdatasharing,preparesforsupportoftheIntelMeteorLake 5nm chip, merges the Kernel Memory Sanitizer (KMSAN) for enhanced memory management, achieves faster Intel memoryerrordecodingviatheEDACdriver,introducessupportfortheMapleTreedatastructure,andimplementsnewsecuritycontrolsontheabilitytocreateusernamespaces.  
  
SignificantlyImproveSystemResponseSpeed  
  
Thesystemisnolongerautomaticallyinstalledoneverydisk,butusersarenowallowedtospecifytheinstallationlocation.UserscanselectuptofourharddrivesorSSDsassystemdisks,enablingthemtoinstallthesystemonfasterstoragedevices,therebyenhancingsystemresponsespeed,applicationdataloadingspeed,anddatacommitefficiency.  
  
NewDesktop,FocusedandSimple  
  
Thenewdesktopdesignreducesthedistractionfromcomplexpages,allowinguserstofocusmoreonthecontents.Desktopiconswereremovedtocreateacleanbackgroundfreefromclutter,withallapplicationsnowdisplayedinthenavigationbarforeasierswitchingbetweenmenus.  
  
NewSystemDashboard  
  
TOS6bringsanimprovedsystemdashboardwithanewlayoutthatprovidesuserswithahighdegreeofcustomfunctionality.Userscanfreelycustomizewhatcontentmodulesaredisplayedandrearrangetheirordersimplybydragging.Thismakesthedashboardmuchmoreattunedtousershabits.  
  
TheIndustrysFirstNASFileManagementTab  
  
TOS6comeswiththeindustrysfirstNASfilemanagementtab.Byusingthetabmode,userscaneasilymove,copyandpastefilesbetweendifferentfiledirectorieswithouttheneedtoopenanewpage,greatlyincreasingtheconvenienceanduser-friendlinessoffilemanagement.  
  
13AdvancedPermissionsManagementStrategies  
  
TOS6bringsanimpressiveleapinthemanagementofpermissions.ExceptforthetraditionalDeny,ReadOnly,andRead/Writepermissions,TOS6introducesadvancedACLpermissionmanagemen,allowingadministratorstocustomizeaccesstosharedfoldersasneeded.Inaddition,usersadministrative,read,andwritepermissionsforfoldersaresubdividedinto13types,enablingaccesscontroltoberefinedformorecomplexfilerequirementsintheenterpriseenvironment.  
  
SecurityLevelEnhancedby500%  
  
SPC(SecurityandPrivacyControl)isthelatestuniquesecuritycontrolfunctiondevelopedbyTerraMaster.TheaccesspermissionsofTOSsexecutableprogramsandapplicationstonetworkandstoragespacesarestrictlycontrolled,requiringuserauthorizationbeforeuse.ThispreventstheTOSsystemfrombeingattackedbyransomwareormalicioushackercode,makingTOS6fivetimesmoresecurethantheprevioussystem.  
  
Hyper-LockWORMDualModes  
  
TOS6addsComplianceandEnterpriseModestotheHyper-Lock WORM file system to give users greater flexibility.  
  
InCompliancemode,oncedataiswritten,itcannotbemodifiedordeletedtomeetregulatoryrequirementsforstoringsensitivedata.InEnterprisemode,itallowsenterpriseITadministratorstocustomizehowlongthedataislocked.  
  
HotSwappingofDataDiskAvoidsFormatting  
  
WithTOS6sexcellentharddiskrecognitionfunction,neitherStartup/Shutdownnorharddiskreformattingisneeded.Userscanhotswaptheharddiskofanysupportedfilesystematanytime,anddirectlyaccessdatainthatharddiskwithoutreformatting.  
  
ThePerfectIntegrationofF4-424ProandTOS6  
  
Theindustry-leading4bayNASF4-424ProproductperfectlysupportsthelatestTOS6operatingsystem,bringinguserstheultimatestorageandoperationexperience.  
  
F4-424Prohasbecomethefirstchoiceofmanyprofessionalusersandstorageenthusiastsduetoitspowerfulhardwareconfigurationandexcellentperformance.  
  
CombinedwithmanyinnovativefeaturesofTOS6,F4-424Procanmaintainexcellentperformanceunderhighloadconditionsandmeetthestringentrequirementsofvarioususersforhigh-speeddatatransmissionandstablestorage.Whetheritisabusinessuseroranindividualenthusiast,thiscombinationwillbecometheiridealchoice.  
  
More information about TOS 6 and the update guide:  
  
https://www.terra-master.com/global/tos6  
  
TerraMaster on social media:  
  
Facebook:https://www.facebook.com/terramasterofficial  
  
Twitter:https://twitter.com/TerraMasters  
  
AboutTerraMaster  
  
TerraMasteris a professional brandthatfocuses on providing innovative storage products, including network attached storage and direct attached storage that has become increasingly popular in over 40 countries and regions. The brand has been developing storage technology for 10 years, addressing the needs of customers such as home users, small/medium businesses, and enterprises.