

Kołbaskowo, dn. 20.04.2012 r.

ZP 271m.22.2012



Gmina Kołbaskowo zaprasza do składania ofert na wykonanie zamówienia publicznego o wartości poniżej 14.000 euro.

(na podstawie art. 4 pkt. 8 Ustawy Prawo Zamówień Publicznych z dnia 29 stycznia 2004 r. Dz. U. z 2010 r. Nr 113, poz. 759 j. t.)

Gmina Kołbaskowo zaprasza do złożenia oferty na zakup macierzy serwer w ilości sztuk: 1.

Oferty należy przysyłać do dnia **23 kwietnia 2012 r. do godz. 12.00**. Na adres e-mail: [szerszen@kolbaskowo.pl](mailto:szerszen@kolbaskowo.pl) lub pisemnie złożyć w Urzędzie Gminy Kołbaskowo, Kołbaskowo 106, w sekretariacie pok. Nr 23.

Przedmiotowa macierz to model TS-439U-RP/SP Turbo NAS

W języku polskim krótki opis:

<http://www.cdrinfo.pl/news/ts-439u-rp-ts-439u-sp-nowe-serwery-qnapa-14237/>

Specyfikacja w języku angielskim:

Hardware Spec.

CPU	Intel Atom 1.6 GHz
DRAM	1GB DDRII RAM
Flash Memory	128MB (DOM)
HDD	4 x 3.5" SATA I/II HDD or 4 x 2.5" SATA HDD <b>NOTE:</b> <ol style="list-style-type: none"><li>1. The system is shipped without HDD.</li><li>2. For the HDD compatibility list, please visit <a href="http://www.qnap.com/pro_compatibility.asp">http://www.qnap.com/pro_compatibility.asp</a></li></ol>
HDD Tray	4 x hot-swappable and lockable tray
LAN Port	2 x Gigabit RJ-45 Ethernet port
LED Indicators	USB, Status, HDD 1, HDD 2, HDD 3, HDD 4, LAN
USB	3 x USB 2.0 Supports USB printer, pen drive, USB hub, and USB UPS etc.

Buttons	System: Power button, one touch copy button, reset button
Alarm Buzzer	System warning
Form Factor	1U rackmount
Dimensions	44(H) x 439(W) x 499(D) mm 1.73(H) x 16.97(W) x 19.65(D) inch
Weight	Net weight: 7.6 kg/ 19.76 lb Gross weight: 12.06 kg/ 26.59 lb
Power Consumption (W)	Sleep mode: 23W In Operation: 53W with 4 x 1TB HDD installed
Temperature	0~40°C/ 32~104°F
Humidity	0~95% R.H.
Power Supply	Input: 100-240 Vac~, 50-60Hz, 2A, Output: 150W
VGA	Reserved
Fan	4 x cooling fan (4 cm, 12V DC; internal: 3, external:1 )

\* TS-439U-RP: 2 power supply units included; TS-439U-SP: 1 power supply units included

## Software Spec.

### Operating System

- Embedded Linux

### Supported Operating System

- Microsoft Windows 2000, XP, Vista (32/ 64 bit), Windows 7 (32/ 64 bit), Server 2003/ 2008
- Apple Mac OS X

### Power Management

- Wake on LAN
- Scheduled Power on/off (Max 15 settings)
- Automatic Power on after Power Recovery

### Access Right Management

- Linux & Unix

### Supported Web Browsers

- Internet Explorer 7 & 8 or later
- Firefox 3 or later
- Safari 3 & 4 or later
- Google Chrome

### Multilingual Support

- Chinese (Traditional & Simplified), Czech, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Russian, Spanish, Swedish.

### File System

- Internal HDD: EXT3, EXT4
- External HDD: EXT3, EXT4, NTFS, FAT32, HFS+

### Networking

- TCP/IP (IPv4 & IPv6: Dual Stack)
- Dual Gigabit LAN with Jumbo Frame
- Multi-IP Setting, Port Trunking/ NIC Teaming (Modes: Balance-rr, Active Backup, Balance XOR, Broadcast, IEEE 802.3ad/ Link Aggregation, Balance-tld and Balance-ltd.)
- DHCP Client, DHCP Server
- Protocols: CIFS/SMB, AFP (3.2), NFS (v3), FTP, HTTP, HTTPS, Telnet, SSH, iSCSI and SNMP.
- Network Service Discovery (UPnP, Bonjour)

### Network File Sharing

- CIFS/SMB (Plus DFS Support)
- AFP
- NFS (v3)
- FTP
- WebDAV

- Max User Accounts: 4,096
- Max Groups: 512
- Max. Share Folder: 512
- Batch Creating Users
- Import User List
- User Quota Management

### Windows AD Support

- Domain Users Login via CIFS/SMB, AFP, FTP and Web File Manager
- Supports NTLMv2 Authentication

### Web Administration

- AJAX-based User Interface
- HTTP/HTTPS Connections
- Alert Notification (Email & SMS)
- Smart Fan Control
- DDNS
- SNMP (v2 & v3)
- UPS Support with SNMP Management (USB)
- Supports Network UPS
- Resource Monitor
- Network Recycle Bin for CIFS/SMB and AFP
- Comprehensive Logs (Events & Connection)
- Real-time Online User List
- Syslog Client
- Firmware Update
- Backup and Restore System Settings
- Restore to Factory Default

### Applications

- Web File Manager
- Multimedia Station
- Download Station
- Surveillance Station
- iTunes Server
- Apache Web Server
- MySQL Server
- QPKG Plug-ins

### QMobile App

- QMobile for iPhone

## Backup Solution

- USB One Touch Backup (Import/Export)
- Apple Time Machine Support with Backup Management
- Block-level Remote Replication
  - Work as Both Rsync Server & Client
  - Supports Encrypted Replication between QNAP NAS Servers
- Back up to External Storage Device
- Back up to Cloud Storage (Amazon S3)

## Security

- IP Filter
- Network Access Protection with Auto-blocking
- HTTPS Connection
- FTP with SSL/TLS (Explicit)
- Supports SFTP (admin only)
- AES 256-bit Volume-based Encryption
- Encrypted Remote Replication (Rsync over SSH)
- Importable SSL Certificate
- Instant Alert via Email and SMS

## Disk Management

- Single Disk, JBOD, RAID 0 / 1 / 5 / 5+Hot Spare / 6
- Online RAID Capacity Expansion
- Online RAID Level Migration
- HDD S.M.A.R.T
- Bad Block Scan
- AES 256-bit Volume-based Encryption
- RAID Recovery
- Bitmap Support
- Supports ISO Mount

## iSCSI

- iSCSI Target
  - Multi-LUNs per Target

- QMobile for Android

## QPKG

- Web Applications
  - Joomla!
  - phpMyAdmin
  - WordPress
  - AjaXplorer
  - vtigerCRM
  - GLPI
- P2P Applications
  - MLDonkey (eMule)
  - SABnzbd+
  - NZBGet
- Server Applications
  - SBS (Squeezebox Server)
  - Tomcat
  - Asterisk
  - XDove (Mail Server)
- Media Server
  - IceStation
- Misc.
  - Optware IPKG
  - Python
  - Java Runtime Environment

...and more

- Up to 256 LUNs
- Supports LUN Mapping
- Supports LUN Masking
- Supports SPC-3 Persistent Reservation
- Supports MPIO & MC/S
- Virtual Disk Drive (via iSCSI Initiator)
  - Stack Chaining Master
  - Max. Virtual Disk Drives: 8

Powerful All-in-one server

### File Server

- File Sharing Across Windows, Mac OS and Linux/ Unix Platforms
- Protocols: CIFS/SMB, AFP(3.2), NFS, FTP, HTTP, HTTPS
- QNAP Web File Manager

### FTP Server

- FTP over SSL/TLS (Explicit)
- Max Concurrent Connections: 256
- FXP Supported
- Passive FTP Port Range Control
- FTP Bandwidth & Connection Control
- Unicode Support

### Web Server

- HTTP/ HTTPS Connections
- Supports WebDAV Connection
- Support Virtual Host
- Importable SSL Certificate

### Database Server

- Built-in MySQL Server
- Web-based Management via phpMyAdmin (QPKG)

### Backup Server

- Remote Replication Server (over Rsync)

### Multimedia Station

- Supports Photo, Audio and Video
- Image Slide Show and Rotation
- Automatic & Schedule Thumbnail Generation for Easy Browsing
- Display Photo Details from EXIF: Date, Exposure Time, Aperture, etc.
- Display Audio Details from ID3 Tag: Album Cover, Title, Artist, Album, etc.
- Access Authority Management
- Multimedia (Video & Audio) Streaming
- Supports Cooliris
- Supports Web Publishing (Facebook, MySpace, MSN Live, Twitter, Plurk, Blogger)
- Supports E-mail Publishing
- Supported Formats:
  - Photo - JPG/JPEG, GIF, PNG
  - Audio - MP3
  - Video
  - Playback: FLV, MPEG-4 Video (H.264 + AAC)
  - Transcode: AVI, M4V, MPG/MPEG, RM/RMVB, WMV
- QMobile App
  - QMobile for iPhone
  - QMobile for Android

### Download Station

- PC-less BT/ FTP/ HTTP Download (up to 500 tasks)

- Apple Time Machine Support
- QNAP Client Backup Application-NetBak Replicator
- 3rd Party Backup Software Support: Acronis True Image, CA Brightstor, ARCserve Backup, EMC Retrospect, Symantec Backup Exec, LaCie Silverkeeper

#### **iTunes Server**

- Audio and Video Sharing
- Smart Playlist for iTunes Client (Windows & Mac OS)

#### **Printer Server**

- Network Printer Sharing (USB)
- Max Printers: 3

- BT Download
  - Supports TCP/UDP Tracker Protocol
  - Schedule Download
  - Configurable Port Range
  - Bandwidth Control
  - UPnP NAT Port Forwarding
- HTTP/FTP Download
  - Configurable Saving Directory
  - Bulk Download with Wildcard Setting
  - RapidShare Download Support
- QNAP Download Management Software: QGet
  - For Both Windows & Mac OS
  - Manage the Download Tasks of Multiple QNAP NAS Remotely over LAN or WAN

#### **Surveillance Station**

- Supports 4 IP Cameras (Optional Purchase) for Network Surveillance

W&T  
*Malgorzata Schwarz*