Rangee Thin Client Managment Server (TCMS)

The Rangee TCMS Thin Client Management Server is the simple and full featured remote management software from Rangee. It is either delivered on a thin client or made available as a virtual machine (for ESXi, Xen or Hyper-V environments).

The TCMS is simply connected to the network and can search for Rangee Thin Clients and PC-Sticks in the network. Clients available in TCMS can be administered via the group configuration.

It is 100% WAN capable and also supports inheritance functions across group boundaries.
The Rangee TCMS simplifies the configuration and the rollout of updates. Due to the possibility of „time-controlled actions", the administrator does not even have to be present for this.

Produkte			
	Artikelnummer	Beschreibung	Preis
TCMS-VM	13020001	Appliance for standard hypervisor, e.g. Microsoft Hyper-V, Vmware ESX, Citrix Xen, Oracle Virtualbox and others.	cost-free
TCMS-Rack	11108104	1 HE 19" Rackmodell, Hardware: LT550E, TCMS preinstalled	499,00 € net

Rangee TCMS Appliance

The Rangee Thin Client Management Server (TCMS) is offered as an appliance.
This allows the TCMS to be used in combination with a hardware solution as a thin client or as a virtual instance on Hyper-V, ESXi, Xen and others.
The system includes a secure operating system, a database, a web-based front end as well as a backup function.

Creating and distributing a configuration in three steps

1. The member client of a group is made into a test client and can now be configured.
   Restarts can also be performed without the client losing its configuration.
2. If everything works satisfactorily, the device is made into a master client and sends its configuration to the group when restarted.
3. Afterwards, when restarted, all member clients of the group will receive this configuration. All actions are time-controlled and can also be carried out unattended during the night.

Setting time controls for actions

There are a number of actions that can be automated in a time-controlled manner. There are three modes to choose from:
- immediately
- one time, non-recurring, at a certain time (date, time)
- recurring after a certain number of hours

The action overview gives you an overview as to which actions are pending for which point in time, and which actions were successfully completed.

100% WAN compatibility

The Rangee TCMS is 100% WAN compatible. The TCMS is able to administer remote sites if only one device is available at that site. Actions such as Wake-on-LAN (WOL) or switching off can thus be automated and time-controlled. Due to the separation of update server (FTP or HTTP server) and management server (TCMS), a firmware update must only be transferred once over a WAN route to the update server in the remote network. This allows hundreds of devices in remote networks to be updated without burdening the WAN connection.

Data management

The TCMS stores the information in a SQLite database. This includes configuration settings and configuration files. Firmware and software updates are provided separately on an FTP or HTTP server. The data is stored locally on the Flash of the TCMS. By using a central database for all administrators at any location, data integrity and up-to-dateness is always guaranteed. Data security is provided by an integrated backup function that allows you to regularly save the database to a network drive. If the TCMS is exchanged or updated, the up-to-date database is available again within a very short time.

Multidimensional inheritance function

With Rangee two inheritance functions are distinguished:
- Group inheritance and
- Device inheritance

With group inheritance, a subgroup can inherit three properties from a parent group:
Users, software and connection settings. There are three options for this inheritance information: no inheritance, tested inheritance and automatic inheritance. Device inheritance allows the settings adopted from the group configuration to be overwritten by individual settings.

Administrator Profile

Rangee TCMS offers a multi-user function which allows the assignment of different access rights to different administrators. The number of administrators is not limited. The administration profiles are transferred to the TCMS via a master configuration and automatically inherited by the subgroups. When a group is moved, inherited administrators are removed as well.

Access rights

The TCMS may be accessed by anyone whose user profile has been stored in a group configuration on the TCMS. The view of the TCMS interface adapts to the access rights of the administrator. This prevents administrators from performing activities in groups for which they do not have access rights.