System description:
RMS Data Flow Diagram

rotronic
MEASUREMENT SOLUTIONS

Device

Server 1

System Controller

Webservice

Alarm Controller

Update Controller

Command Controller

Notification Controller

Restore Controller

Server 2

Database

Server 1

Web Pages

User Controller

Cache

Webserver

Web Browser
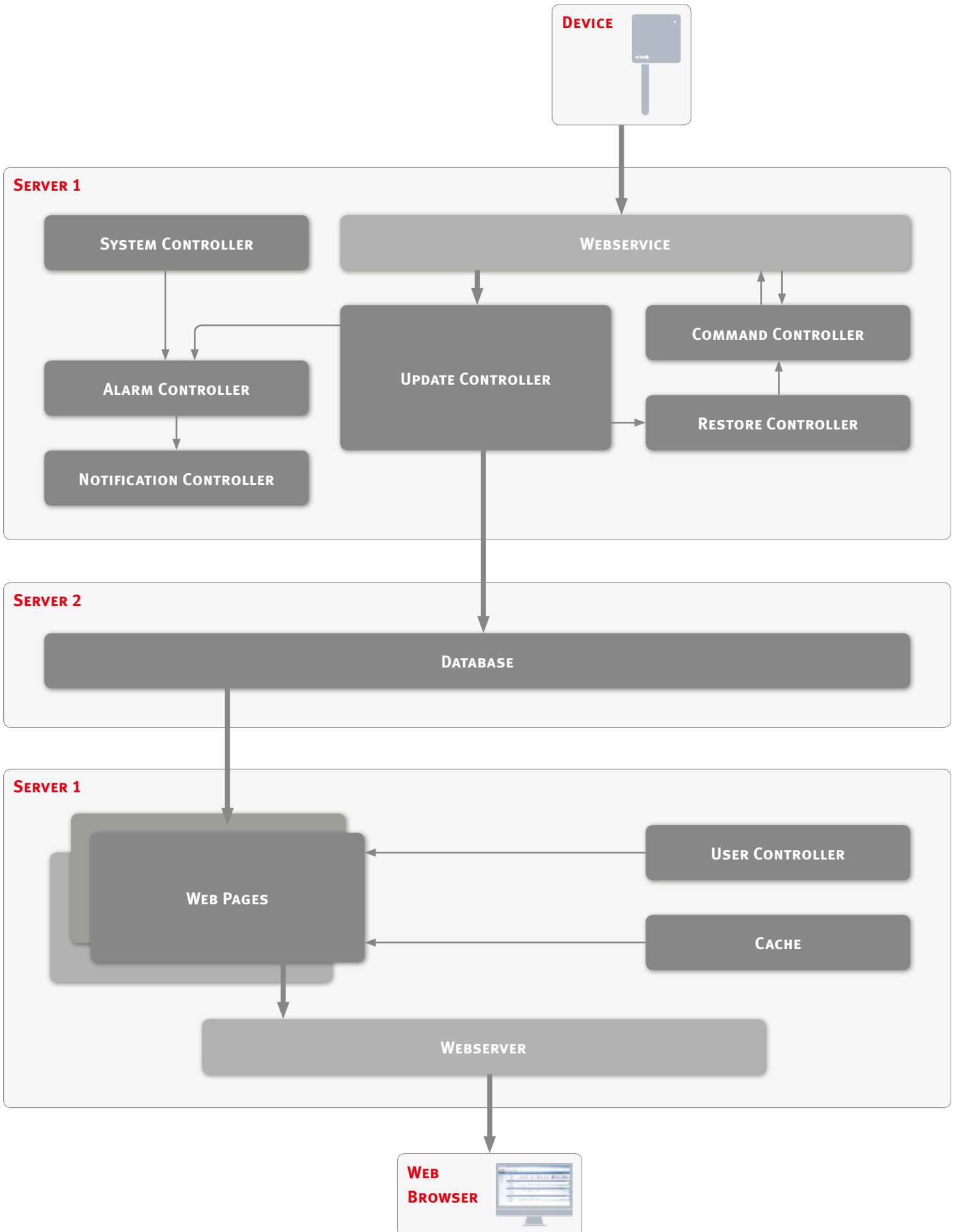
Explanation Terms

Name	Description
Web service	Receives device data over the network.
Update Controller	Receives new measurement values and saves them into the database.
System Controller	Controls system tasks: • Monitoring of the database connection • Monitoring of the device timeout • Repeat alarm notifications
Command Controller	Sends and receives commands for devices: • User commands such as adjustment • Gateway assignment • Download of measured data
Restore Controller	Controls the device data download: • Detection of data gaps • Request missing measurement values • Receives downloaded data and analyses them
Alarm Controller	Controls alarms for devices and measurement points: • Out of limit alarms • Low battery • Sensor error
Notification Controller	Sends notifications to users: • Email • SMS • Phone call
Web Pages	Displayed pages in the internet browser.
User Controller	Controls user rights.
Cache	Temporary memory containing system settings.
Webserver	Delivers the web pages to the browser.

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