UTAX DocForms

ACCOUNTING 4 WORK
AW WP1100

Installation and Operating Instructions

UTAX DocForms GmbH – Schleefstr. 2 – 44287 Dortmund – +49 (0)2 31 / 4 59 91-0
www.utax-docforms.de

AW WP1100 is a hardware-based counter value accounting system for all print, copy and multifunction devices reachable over a network.

Based on a tiny 15 x 15 x 2 cm footprint with full passive cooling, the AW WP1100 hardware platform is an easy-to-integrate solution for fully automated counter value accounting.

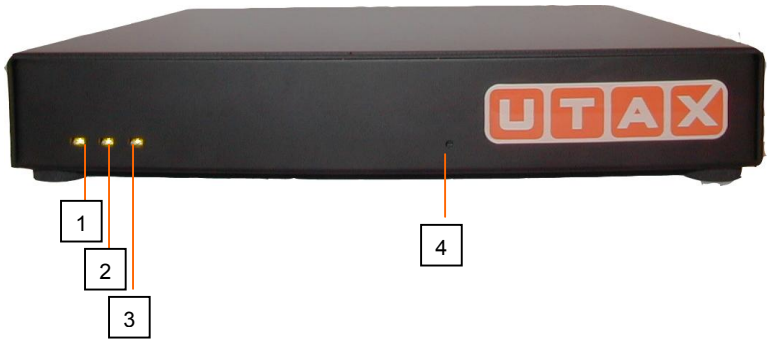
The system is integrated into the network over an Ethernet interface, and can be controlled and administered entirely over a web interface using any popular browser.

Extremely flexible request methods mean that data from almost all available systems can be determined and recorded in one way or another. The system does not need to access print data streams and is capable of operating completely autonomously and independently. In the case of colour systems and copiers, the number of colour pages and/or scans are read and stored separately. Continuous logging of the counter values makes it possible to analyse page volumes over time.

Initial state:

- LAN1 is configured with IP 192.168.1.50.
- LAN2 is configured to use DHCP.
- LAN3 is configured to use DHCP.
- The hostname is identical to the serial number.

Front side:



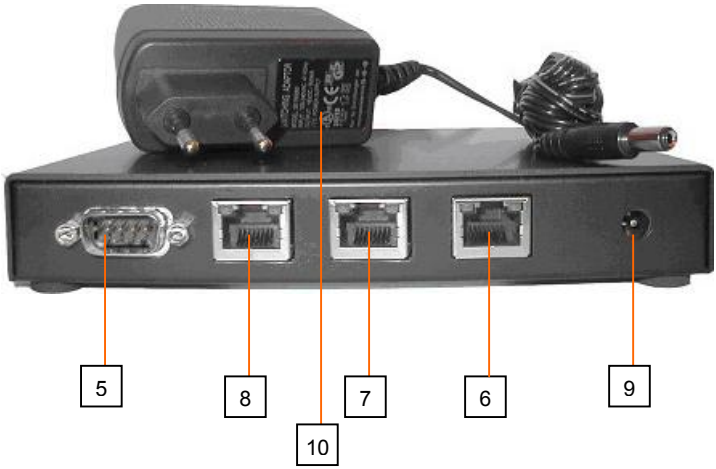
The front side features three indicator lights (LED 1–3) and a reset button (4). The recessed reset button can be used to return the network settings and the password back to the initial state.

The following describes the possible conditions of the LED indicators (1–3):

1	Ready indicator (green) lights constantly when a power supply is present.
2	Flash memory activity indicator lights when the flash memory is being accessed (read/write). Note: Do not switch off the box when the LED is lit!
3	Ready indicator (green) lights constantly when the time has been set. Ready indicator (green) blinks if the time has not been set; no counter values will be read.
4	Reset button to reset network settings and password – all other data remains unchanged.

All brand names are the registered trademarks of their respective owners.
- Subject to changes and errors -

Rear side:



Description of connections:

5	RS-232
6	LAN 1
7	LAN 2
8	LAN 3
9	Power cable connector
10	Mains adapter power supply

All brand names are the registered trademarks of their respective owners.
- Subject to changes and errors -

Initial operation:

- Connect the power supply to the box.

- Plug the power supply into a mains socket.
  All 3 LEDs will light for a few seconds as a test.

- All three LEDs will blink in short sequence when the boot process is complete.

- Connect the box to the customer network using an Ethernet interface.
  After this, the box can be controlled and administered entirely over a web interface using any popular browser.
  The initial login data (case-sensitive) are

  User: admin

  No password

  The three available Ethernet interfaces also make it possible to integrate the system into three physically separate networks.

- **Important:** Always set the current time when starting the box for the first time! Switching the box off and/or restarting must ALWAYS be carried out using the corresponding menu items, as settings and data may otherwise be lost! An NTP server can be specified or the current time entered manually over the web interface under the “System time” menu item.

If the time has not been set, LED3 will blink once every second, and no counter values will be read.

- IP addresses or ranges can be entered under the “Add” menu item and automatically checked for available systems. A selection list shows the results of the search and allows you, if desired, to selectively exclude some of the systems found. The counter values can be requested after saving the selected systems.

Requirements for functionality

To access the system through a browser after initial use:

- The PC must be in the same IP range as port 1 of the WP box (192.168.1.xxx)

Or

- A DHCP server must be present if the connection is made on port 2 and/or port 3 – IP lookup is possible over the server (hostname = serial number)

To automatically search for systems:

- The WP box must be in the same IP range as the IP addresses to be examined, or it must be connected with the alternate network segments over a router.
- The systems to be discovered must be switched on.

- Technician's tools for printers/MFPs may interrupt the search process, as they send SNMP commands that may cause the WP box to operate incorrectly.
- An existing browser connection to the web interface provided by a printer/MFP may also generate incorrect search results; therefore, these connections should be closed during the search process.
- SNMP must be activated.

All brand names are the registered trademarks of their respective owners.
- Subject to changes and errors -

Function description

Overview: The Overview displays all systems found, together with a description, location and serial number (if available).
Please note: The “Overview” menu item is overwritten when the first self-defined list is created!

The overview lists provide a number of functions. Clicking an icon in the “Device” column opens the details window. Device information, all read-out counter values and – if provided by the device – details of the remaining consumables are available through this menu. A variety of alarms may be set here, and the system may be configured to send messages on e.g. low toner/no paper by e-mail. Any alarms that may have been set are indicated by an icon in the system overview. A white bell means that no alarm has been set, a green bell indicates active alarms and a red bell shows that an alarm has been triggered.

The device information also includes a function to edit the device data. This allows the system type to be specified manually for new systems not yet included in the current firmware, for example if only some of the counter values could be read for a certain system.
Activation of cost centres is possible here as well, if used by the corresponding systems.

To sort the overview list by a particular column, click the column header at the top of the list.

Clicking the IP address in the overview list will establish a direct connection to the device's web interface.

Cost centres: The read-out cost centre counters are listed here. These must have been previously activated in the respective system settings.

Update: This function requests the latest counter values of all recorded systems.

Add: This function is used to search for and record systems. The following automatic search options are available:

- Search on a particular IP address (e.g. 172.16.160.70)
- Search in an IP address range (e.g. 172.16.160.0–172.16.160. 240)
- Search for individual IP addresses (e.g. 172.16.160.11/156)

The "Manually enter counter value" checkbox allows the counter value to be pre-entered manually for one or more systems.
Search options for new systems can be activated or deactivated in the advanced options.

Groups: Groups can be created and systems assigned to them with this command.

Import: A CSV file with existing system data can be imported with this command.

All brand names are the registered trademarks of their respective owners.
- Subject to changes and errors -

Export: The export function creates a CSV file with all systems and counter values.

Statistics: Analyses may be created and exported using the statistics function.

Users: User management allows different users to be created and managed, for example for administration and statistical analysis. User rights facilitate access restrictions.
The “admin” user is not shown in the list and is ALWAYS present – these user rights may not be modified.

Network: Changes may be made to the network connections under this menu item.

The “Static routes” function allows different subnets to be combined for the reading of counter values.

E-mail: An SMTP server and user account must be specified before e-mails with counter value data can be sent automatically.

Reports: The interval for sending reports, the recipients and a signature may be entered here.

Password: The password for the “admin” user can be changed here.

System time: The system time may be set manually or automatically requested from an NTP server with this command.

Adjust overview: Adjustment of the overview affects the output of the “Overview” menu item. Up to ten different overviews with different column views may be defined, arbitrarily named, and saved.

Export: Allows the fields to be exported when using the “Export” function in the “System” menu to be configured. These settings also affect the e-mail report.

Miscellaneous: User-defined fields may be created as supplements to the device information under this menu item. The language and the query interval for counter values may be modified under the additional system settings.

Test function: The test function allows the connection to individual systems to be tested. This can be useful if a system was not found in the automatic search.

Events: The events display provides a type of logging function.

Restart: The system will be restarted, and all configuration and counter values will be saved to the system.

Switch off: The system will be switched off, and all configuration and counter values will be saved to the system.

Update: The system will check for any available new firmware updates and display them. The update procedure can be started after selecting the update file. The update is executed independently by the system.

Service: The service function allows stored counter values and systems to be deleted. Counter values and system data may also be backed up here.

All brand names are the registered trademarks of their respective owners.
- Subject to changes and errors -

Characteristics

Recording methods:

- SNMP (Port 161/UDP)
- HTTP (Port 80/TCP)
- PJL (Port 9100/TCP)
- PostScript (Port 9100/TCP)

Hardware:

- Processor: AMD Geode 500 MHz (passive cooling)
- RAM: 256 MB DDR
- System memory: 512 MB flash memory
- Network: 3 x 10/100 Mbit
- Power supply: External AC adapter, 18 V / 800 mA
- Power consumption: ca. 5 watt
- Operating system: Linux embedded, Kernel 2.6

Scope of delivery:

- Hardware box
- Power supply
- Installation and operating instructions

All brand names are the registered trademarks of their respective owners.
- Subject to changes and errors -