TONERTYPE®

PATROL PRODUCT OVERVIEW

Safely and efficiently monitor your copiers and printers from one location.
Manage print volume, toner and service information locally or globally.

- Easy to install and use
- Completely safe in highly secure environments
- Secure data transferred over HTTP/S (same as online banking)
- Standalone feature for high security isolated use
- No admin rights required for monitoring networked printers
- No manual meter collections for networked devices

Peace of mind, HIPAA compliant and safe for high security installations

Overview:

The Patrol device is a completely self contained, embedded appliance designed to monitor networked printers and copiers. Patrol features two distinct modes of operation, Normal and Standalone, which supports both networked and environments with high security requirements. The device hardware, firmware and server application were developed by E-Merge Managed Print Services. It uses the SNMP protocol to collect information from networked printers or copiers and communicates this information as an XML document to a Tier 3 / SAS-70 certified secure data center using the HTTP/S protocol. The device iterates through user-specified IP addresses or ranges and gathers only usage data on printing equipment. No print job or proprietary information is collected. This data is aggregated and uploaded to the server.
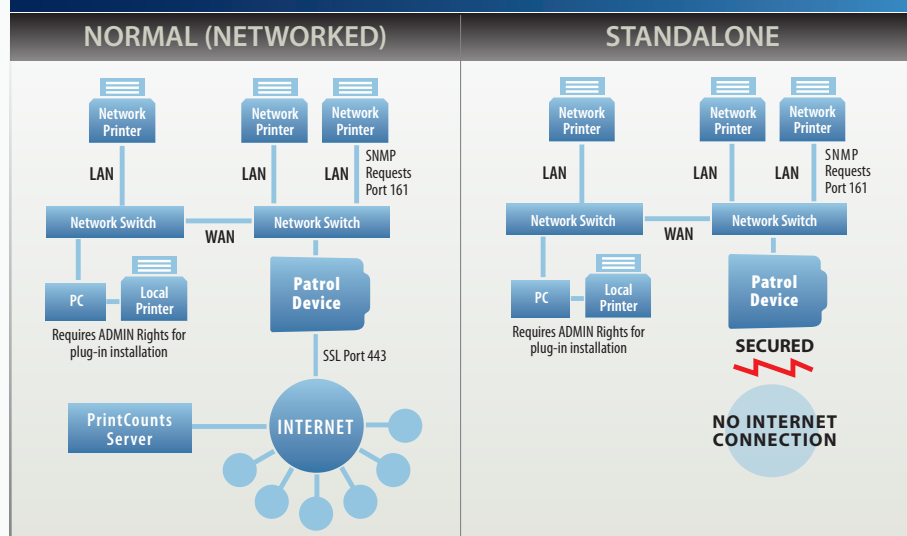
Features:

- Non-invasive, only records print volume, toner and service info
- No personal or content data transmitted (HIPAA compliant)
- Small footprint, totally self-contained (only power and IP required)
- Supports both static and dynamic IP via DHCP
- Supports customer based proxy server environments
- Transmitted data outputs to XML doc

Data output to XML doc

```
<?xml version="1.0" encoding="UTF-8"?>
<scanresults xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance" xsi:type="scanresults">
<customerid>2CT6386W</customerid>
<locationid>Acme Demo Account-HQ</locationid>
<scandate>02-24-2011 09:28:30</scandate>
<scantype>Pre_sales</scantype>
<ipranges>
<iprange from="192.168.148.1"
to="192.168.151.254"/>
</ipranges>
<printer ip="192.168.148.151" port="161"
prttype="SNMP" communitystring="public">
<snmpattrib parentoid="1.3.6.1.2.1.1.1"
attrname="sysDescr">
<attrib oid="1.3.6.1.2.1.1.1.0">
<attrvalue>KYOCERA MITA Printing System</at-
trvalue>
</attrib>
</snmpattrib>
<snmpattrib parentoid="1.3.6.1.2.1.43.5.1.1.1.
attrname="prtGeneralSerialNumber">
<attrib oid="1.3.6.1.2.1.43.5.1.1.17.1">
<attrvalue>QFU0802325</attrvalue>
</attrib>
</snmpattrib>
<snmpattrib parentoid="1.3.6.1.2.1.43.10.2.1.
attrname="prtMarkerLifeCount">
<attrib oid="1.3.6.1.2.1.43.10.2.1.4.1.1">
<attrvalue>3592</attrvalue>
</attrib>
</snmpattrib>
```

Choose Global HTTP/S networks or Standalone environments

NORMAL (NETWORKED) | STANDALONE

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PATROL SPECIFICATIONS

When in network mode a list of IP addresses is provided to the device from a secure web application.

The device only collects information from devices that support the Printer MIB as defined by the IETF: http://tools.ietf.org/html/rfc3805

All information from the device is only able to be transmitted securely via HTTP/S to the server located at a Tier 3 SAS 70 certified datacenter.

In customer environments where strict firewall policies are implemented, a rule is required to allow it to connect to the server.

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Service: 888-916-1300

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Firewall

Component	Minimum requirement
IP White-list	• IP: 216.139.194.181 • Ping response is disabled on the server
Port Exceptions	• Inbound/Outbound TCP/IP exception to/from the server on port 443

Patrol Device

Component	Minimum requirement
Power	• NEMA 1-15 or NEMA 5-15 electrical outlet (15A / 125 V) • A surge protector is highly recommended
Network	• Ethernet connection via wall or router • Static IP or DHCP
Proxy Server	• If a proxy server is in use, the server address and port must be configured

Contact

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Tonertype of Florida
888-916-1300

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