



## Direct, Secure Printing with One Card Swipe

Is secure printing important? Have you already implemented ThinPrint Personal Printing technology? Then the only missing piece is the user-friendly authentication hardware. You don't need to be put off by cost-intensive hardware investments. SEH has a solution that can be integrated quickly and simply, and is flexible enough to fit into your existing network.

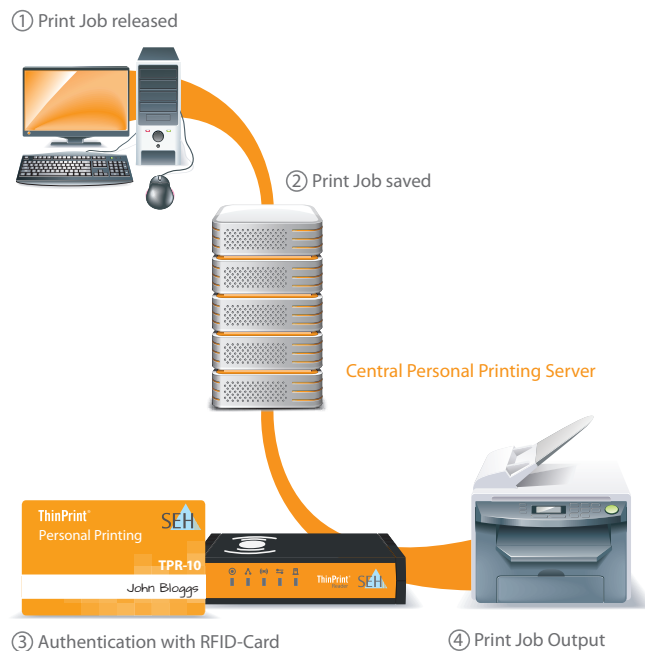
With the ThinPrintReader TPR-10, SEH offers a cost-effective and adaptable authentication hardware which can change every network printer into a Personal Printing printer, regardless of printer manufacturer or model. Cost-intensive investments are avoided, and you get the full advantages of ThinPrint Personal Printing with maximum security and flexibility.

### Simply print – and fetch your print job to any network printer you like.

Authentication occurs directly at the printer, by using a RFID-based smart card (e.g., Mifare, Felica). With the help of this contactless card technology, you release your print job with a “card-swipe” – whenever and wherever you want.

#### Advantages

- Contactless card technology
- Comprehensive security management (e.g., Port-Blocking, IPSender Protection, Encryption, etc.)
- TPR-10 does not interfere with existing network infrastructure, such as output or monitoring systems, because it is independently connected to the printer
- TPR-10 is manufacturer independent, i.e., every network printer can become a Personal Printer
- Independent of the operating system used
- Easy and efficient backup management
- Existing company smart cards (e.g., for time registration and/or access systems) can be used for Personal Printing with the TPR-10



#### For whom is the TPR-10 ThinPrintReader suitable?

- All companies that handle sensitive data and want maximum Personal Printing security
- Companies and organizations that have already installed ThinPrint Personal Printing or want to implement it in the future
- All companies and organizations with a big network and/or complex infrastructure which want to avoid new acquisitions and conversions
- And many others!

#### Features

- Easy configuration and management via the supplied TPR Control Center
- Integrated ThinPrint .print client
- Comprehensive security package: Encryption, Port-Blocking, IPSender Protection, etc.
- Backup management
- Supports many smart cards (e.g., Mifare, Felica, etc.) and their standards (e.g., ISO14443, etc.)
- Regular software updates, technical support worldwide
- Manufacturer independent

# ThinPrint® Reader

for Personal Printing

## TPR-10 – Technical Data

### Interfaces and Network Connectors

- 2x 10BaseT/100BaseTX/1000BaseT
- 1x USB 2.0 High Speed
- 1x RFID Multi-protocol 13.56MHz Contactless Smart Card Reader:
  - ISO14443 type A & B
  - NFC: Reader and Tag Type Support
  - MIFARE: Classic 1K and 4K, DESFire, Ultralight, Plus FeliCa™

### Configuration and Management

- SEH InterCon-NetTool for Windows, Linux, Mac
- TPR Web Control Center (Monitoring, Configuration, Administration, Firmware Update)
- E-Mail, SNMP, SNMP MIB-2 compatible, SNMPv1, SNMPv3, Bonjour

### Supported Protocols

- IPv6-enabled
- TCP/IP:
  - DHCP, BootP, ARP, IP, TFTP, ICMP, IGMP, UDP, TCP, DNS, POP3, SMTP SLP, SNMPv1, SNMPv3, SNT, HTTP, HTTPs, ZeroConf, SSL/TLS, IPPv1.1, RawTCP, Bonjour, etc.
- Windows:
  - SMB/CIFS (NetBIOS over TCP/IP), WINS, etc.

### ThinPrint Support

- .print Client
- SSL Printing
- AutoConnect Support
- Personal Printing Client
- Connection Service Support

### Security

- Encryption: SSL 3.0, TLS 1.0, HTTPs
- Authentication: 802.1X (EAP-MD5, EAP-TLS, Cisco EAP (LEAP), EAP-FAST, EAP-TTLS, PEAP)
- IPsender („User List“), Access Control
- Certificate Management: Self-signed Certificate, Certificate Request, Root Certificate, PKCS#12 Certificate
- Password Protection
- Port Access Control

### Supported Operating Systems

- Operating System Independent

### Printing Protocols and Methods

- LPR/LPD Printing, Socket Printing, IPP v1.1 Printing, IPP Secure Printing

### Supported Languages

- English, German, French, Spanish, Italian, Portuguese, Japanese, Korean, Chinese (traditional and simplified)

### Tests (Notifications)

- CE: EN55022 Class B, EN55024, EN62301
- FCC Class A
- VCCI Class A
- C-TICK
- ROHS

### Power Supply

- External Power Supply
  - Output: 5V, 2A
  - Input: 100–240V ~

### Operating Environment

- Ambient Temperature: 5–40 °C
- Relative Humidity: 20–80 %

### Dimensions (Depth, Width, Height)

- 99 x 140 x 32 mm

### Weight

- 150 g

### Order Numbers

- M03810 (EU)
- M03811 (UK)
- M03812 (US)
- M03813 (JP)
- M03814 (AUS)

For further information, such as the supported card technologies, please contact our sales team.



SEH Germany GmbH  
Germany (Headquarters)

Suedring 11  
33647 Bielefeld  
Germany

Phone +49 (0) 5 21 - 9 42 26-29  
Fax +49 (0) 5 21 - 9 42 26-99  
Support +49 (0) 5 21 - 9 42 26-44  
Web [www.seh.de](http://www.seh.de)  
Email [info@seh.de](mailto:info@seh.de)

United Kingdom/Ireland

Phone +44 (0) 12 73 - 23 46-81  
Fax +44 (0) 12 73 - 23 46-82  
Web [www.seh-technology.co.uk](http://www.seh-technology.co.uk)  
Email [info@seh-technology.co.uk](mailto:info@seh-technology.co.uk)

USA

Phone +1 610 - 9 33-20 88  
Fax +1 484 - 2 29-06 97  
Web [www.seh-technology.com](http://www.seh-technology.com)  
Email [info@seh-technology.com](mailto:info@seh-technology.com)



Scan this bar code with your  
Smartphone

# ThinPrint®

ThinPrint AG

Alt-Moabit 91 a/b  
10559 Berlin  
Germany

Phone +49 (0) 30 39 49 31-0  
Fax +49 (0) 30 39 49 31-99  
Web [www.thinprint.com](http://www.thinprint.com)  
Email [info@thinprint.com](mailto:info@thinprint.com)

[www.seh-technology.com/products/thinprintreader.html](http://www.seh-technology.com/products/thinprintreader.html)

For more information and a full list of all technical details, please refer to the electrical data sheets on our website [www.seh-technology.com](http://www.seh-technology.com).