



Identiv TS Readers

Ordering Guide

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Identiv TS Readers

1. Introduction

This document describes the features and ordering process for Identiv TS Readers for physical access systems. It covers all models of mullion, wall mount, and keypad readers. This document does not include ScramblePad products.

1.1. Audience

This guide is designed to help Identiv resellers understand the models, features, and benefits of the TS Reader product line. It includes specific instructions on how to order the right model to meet specific requirements.

2. Identiv TS Readers Description

2.1. Overview

The Identiv TS Reader product line is a family of high-quality door readers with a consistent modern look that meet the requirements for existing PACS systems and new installations. Identiv offers a consistent look and feel from basic proximity-only models up to the latest highly secure, government-certified FICAM solutions. The bright LED display and large active area make it popular with end users.

The TS Readers offer unmatched features, such as the highest level of environmental protection of any PACS reader (up to IP65) and compatibility with the widest range of proximity credentials. All TS Readers include tamper sensing. These readers are a natural complement for Hirsch systems, for the Identiv/Cisco CPAM/ICPAM systems, as well as for third party systems supporting industry standards including Wiegand, RS-485, and OSDP.

2.2. Versions

2.2.1. Advanced Readers

For installations that do not require support for legacy proximity credentials, Identiv offers TS Advanced Readers with only 13.56 MHz high frequency enabled. These readers support card serial number (CSN) reads for MIFARE Classic, DESFire, iClass, PIV, most ISO 14443 A/B, and other HF credentials. In addition, the readers offer highly secure access following the ISO-standardized PLAID protocol. This uses strong cryptography with privacy enhancements.

2.2.2. Proximity Readers

For installations that exclusively use proximity cards, Identiv offers TS Proximity Readers configured to only read 125 KHz cards. These readers have the same modern look-and-feel as the other TS Readers. The high level of compatibility

these readers have with most of the proximity credentials is a result of Identiv's many years of experience with credentials, including Hirsch Electronics and SCM Microsystems.

2.2.3. Migration Readers

Identiv's TS Migration Readers include all of the features of both the Advanced and Proximity Readers. They are perfect for installations that include a population of 125 KHz proximity cards, and some users with 13.56 MHz contactless smart cards.

2.2.4. Network Readers

TS Network Reader models are available in configurations with Ethernet. These forward-looking models support Power over Ethernet (PoE) for buildings wired for IP connectivity. Reader configurations and firmware can be updated over the Ethernet connection, providing a unique capability to adapt to future requirements.

2.2.5. Keypad Readers

All of the TS Reader models are available with an integrated keypad that can be used as a second authentication factor, or as an alternative credential. These robust, weather-sealed models have durable keys for long life and reliable operation.

2.2.6. Physical Options

TS Readers can be ordered either in a narrow mullion model, or as a wall mount for use with standard boxes. The keypad versions are the same size as the wall mount readers.

2.2.7. Custom Configurations

For installations with unique requirements, Identiv can supply custom configurations of the TS Reader family. The interface colors and sounds can be customized and support is available for custom cryptographic keys, such as MIFARE Classic and DESFire. Minimum order quantities will apply and a professional services contract may be required. Contact your Identiv sales or business development representative for more information.

2.3. TS Reader Features and Benefits

Feature	Benefit
Environmental Protection IP55 and IP65	Reliable in external environments
Tamper sensing in all models	Improved system integrity
Compatible with most proximity cards, including HID, Indala, and others	One reader can be used for most installations
Secure element with EAL 5+ certification	Configurations and cryptographic keys have the highest level of protection

Ethernet models support configuration and firmware updates over IP network	Future-proof your installation with readers that are upgradable to advanced features, like FICAM support
Ethernet models supporting Power over Ethernet (PoE) available	Can be used with modern building wiring using CAT5/CAT6 power

3. TS Reader Ordering Processes

3.1. General

TS Readers are ordered using part numbers with the form *8xxxAByzzzz*. The type and basic configuration of the reader is specified by the *xxx* string as shown in the following table:

	RF	Mullion	Wall Mount	Keypad
Advanced	HF only	8000	8100	8200
Migration	HF/LF	8010	8110	8210
Prox	LF Only	8020	8120	8220
Networked	HF/LF	8030	8130	8230

The rear connector for Wiegand/RS-485 is specified with the *y*: P for pigtail, T for terminal. The last four characters, *zzzz*, specify the detailed configuration, both generally available configurations and user-specific custom configurations.

3.2. Specific Configurations

3.2.1. Advanced Readers

TS Advanced Readers have *8x00* part numbers. Available configurations are:

- 8000ABP0000 Mullion, Pigtail, Base configuration
- 8000APT0000 Mullion, Terminal, Base configuration
- 8100ABP0000 Wall Mount, Pigtail, Base configuration
- 8100ABT0000 Wall Mount, Terminal, Base configuration
- 8200ABT0000 Keypad, Terminal, Base configuration

3.2.2. Proximity Readers

TS Proximity Readers have *8x20* part numbers. Available configurations are:

- 8020ABP0000 Mullion, Pigtail, Base configuration
- 8020APT0000 Mullion, Terminal, Base configuration
- 8120ABP0000 Wall Mount, Pigtail, Base configuration

- 8120ABT0000 Wall Mount, Terminal, Base configuration
- 8220ABT0000 Keypad, Terminal, Base configuration

3.2.3. Migration Readers

TS Migration Readers have *8x10* part numbers. Available configurations are:

- 8010ABP0000 Mullion, Pigtail, Base configuration
- 8010APT0000 Mullion, Terminal, Base configuration
- 8110ABP0000 Wall Mount, Pigtail, Base configuration
- 8110ABT0000 Wall Mount, Terminal, Base configuration
- 8210ABT0000 Keypad, Terminal, Base configuration

3.2.4. Network Readers

TS Network Readers have *8x30* part numbers. Available configurations are:

- 8030ABP0000 Mullion, Pigtail, Base configuration
- 8030APT0000 Mullion, Terminal, Base configuration
- 8130ABP0000 Wall Mount, Pigtail, Base configuration
- 8130ABT0000 Wall Mount, Terminal, Base configuration
- 8230ABT0000 Keypad, Terminal, Base configuration

3.2.5. Keypad Readers

TS Keypad Readers have *82x0* part numbers. Available configurations are:

- 8200APT0000 Advanced
- 8220ABT0000 Proximity
- 8210ABT0000 Migration
- 8230ABT0000 Network

3.3. Detail Configurations

Part Numbers	Detail Number	Description
8020 8120	0000	<ul style="list-style-type: none"> • Red LED when ready • Beep and flash green on successful card read • Proximity only reads: <ul style="list-style-type: none"> – CASI ASK – INDALA PSK – HID FSK
8220	0000	<ul style="list-style-type: none"> • Red LED when ready • Beep and flash green on successful card read • Proximity-only reads:

		<ul style="list-style-type: none"> – CASI ASK – INDALA PSK – HID FSK • Keypad output 4-bit
8000 8100	0000	<ul style="list-style-type: none"> • HF CSN reads: <ul style="list-style-type: none"> – MIFARE Classic 32 bit – MIFARE DESFire 56 bit – iClass 64 bit – PIV 75 bit – PIV-I 128 bit
8200	0000	<ul style="list-style-type: none"> • HF CSN reads <ul style="list-style-type: none"> – MIFARE Classic 32 bit – MIFARE DESFire 56 bit – iClass 64 bit – PIV 75 bit – PIV-I 128 bit • Keypad output 4-bit
8010 8110 8030 8130	0000	<ul style="list-style-type: none"> • Red LED when ready • Beep and flash green on successful card read • Proximity reads: <ul style="list-style-type: none"> – CASI ASK – INDALA PSK – HID FSK • HF CSN reads: <ul style="list-style-type: none"> – MIFARE Classic 32 bit – MIFARE DESFire 56 bit – iClass 64 bit – PIV 75 bit – PIV-I 128 bit • Secure credential support: <ul style="list-style-type: none"> – PLAID
8210 8230	0000	<ul style="list-style-type: none"> • Red LED when ready • Beep and flash green on successful card read • Proximity reads: <ul style="list-style-type: none"> – CASI ASK – INDALA PSK – HID FSK • HF CSN reads: <ul style="list-style-type: none"> – MIFARE Classic 32 bit – MIFARE DESFire 56 bit – iClass 64 bit – PIV 75 bit – PIV-I 128 bit • Secure credential support: <ul style="list-style-type: none"> – PLAID • Keypad output 4-bit

3.4. Custom Configurations

Installations that have unique requirements can specify and order custom configurations. Identiv's TS Reader architecture supports a wide range of capabilities for reader behavior, appearance, and secure keys. Please contact your Identiv sales representative for more details on the process.

3.4.1. Existing Custom Configurations

For existing custom configurations, simply place your order using the four character detail configuration number you have received from your Identiv sales contact or from the end-customer. Identiv tracks both the end-customer and dealers who are authorized to order that configuration. If you are a dealer who has not previously ordered this custom configuration, you must get written authorization from the end-customer.

3.4.2. New Custom Configurations

For new custom configurations, terms and conditions will depend on the specifics of the configuration. Please contact your Identiv sales team for assistance.

4. Installation and User Manual

Installation and user manuals for all Identiv TS Readers can be downloaded from <http://support.identiv.com/ustrust-ts-readers/>. These manuals contain detailed installation instructions, and include mounting templates.

5. Compliance and Export Regulations

Identiv TS Readers are potentially subject to a number of conditions that may lead to issues with compliance and export. Readers are available with different countries of origin. All TS Readers contain secure elements, cryptographic keys, and other security features. Please contact your Identiv sales team for more information about your specific requirements.

Exhibit A: Supported Proximity Card Formats

The following table lists formats supported in standard configurations of Identiv TS Readers. The readers can support additional formats. Please contact your Identiv sales team for questions about specific requirements.

Identiv Format	Description
40C	CASI
37G	S10401
37F	HID Type
37E	HID Type - H10304
37D	HID Type - H10302
37C	S10701
37B	A901058A
37A	A10202
36S	S10601
36J	N901157A Napco
36I	I10601 - Identocard 36
36D	HID Type - S12906
36C	C10202
36B	C15001
35G	H10331
35D	HID Type - 51880 (Corp 1000)
34E	HID Type - N10002
34D	HID Type - H10306
33D	HID Type - D10202
32D	HID Type - H103130 (A10202)
26ID	Indala26 - 40134
26D	HID Type - H10301
26AD	AWID26