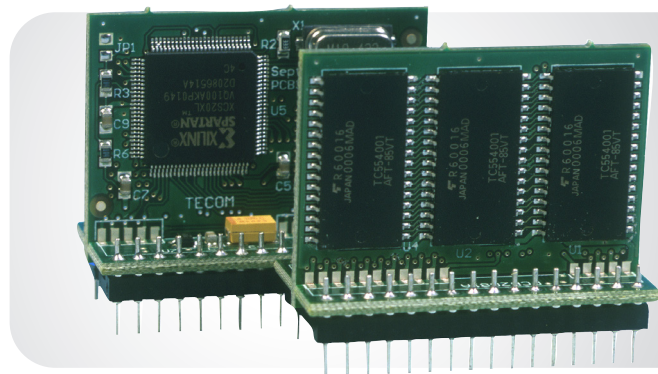


# TS0882/3/4

## Expanded Memory and IUM Modules



### Overview

Challenger memory expanders are used to expand the number of PINs or cardholders (users) in the system as well as the card format. Memory expansion chips are available in 1MB, 4MB, and 8MB.

The TS0882, TS0883 and TS0884 memory expansion devices are fitted on Challenger control panels and door or lift controllers. All devices that support memory expansion must have the same unit fitted.

The TS0883 and TS0884 have the intrinsic functionality of being an Intelligent User Module (IUM) that enable a Challenger system to handle multiple card formats and protocols simultaneously. Unknown card formats can be added to the system as raw card data and assigned to users with ease.

Challenger also provides the option of software IUM, a new feature enabling you to access IUM functionality without any memory expansion or just 1MB expansion. Once enabled, IUM expands the total number of users and can also add system functionality such as support for up to 48-bit card format.

### Features

- Increases the total number of PIN or card users on the system
- Allows card formats up to 48 bit
- Adds to the number of door or floor groups, holidays, and access/alarm events on a system

# TS0882/3/4

## Expanded Memory and IUM Modules

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### Specifications

Memory Expansion	No expansion		TS0882 1MB Expanded Memory		TS0883 4MB IUM	TS0884 8MB IUM
	Disabled	Enabled	Disabled	Enabled	n/a	n/a
Software IUM						
Users (cards)	50	50	11,466	2,000	17,873	65,535
Users with name data	50	50	1 to 200	1 to 200	1 to 200	1 to 200
Users with PIN code	50	50	1 to 1,000	2,000	17,873	65,535
Card data formats	26-bit, 27-bit Tecom	Up to 48-bit	26-bit, 27-bit Tecom	Up to 48-bit	Up to 48-bit	Up to 48-bit
Alarm groups (10 of which are fixed)	138	138	255	255	255	255
Door groups	10	10	255	255	255	255
Floor groups	10	10	128	128	128	128
Alarm events buffer	100	100	1000	1000	1,000	1,000
Access events buffer	100	100	1000	1000	1,000	1,000
Time zones (hard)	24	24	46	46	46	46

NOTE: As of panel firmware version 8.128, the number of alarm groups, door groups, floor groups, and hard time zones is automatically increased for panels fitted with TS0882, TS0883, or TS0884 memory expansion modules. Intelligent Access Controllers typically use the same memory configuration as the Challenger panel. In particular, IUM must be used (or not used) consistently throughout the system. Challenger V8 panels that are not fitted with TS0883 or TS0884 hardware IUM modules can be programmed to use software IUM.

### Ordering Information

TS0882	Memory expansion module 1 MB
TS0883C	Memory expansion module 4 MB and EPROM firmware for TS0816
TS0883D	Memory expansion module 4 MB and EPROM firmware for TS0867
TS0883L	Memory expansion module 4 MB and EPROM firmware for TS0869
TS0884C	Memory expansion module 8 MB and EPROM firmware for TS0816
TS0884D	Memory expansion module 8 MB and EPROM firmware for TS0867
TS0884L	Memory expansion module 8 MB and EPROM firmware for TS0869



Specifications subject to change without notice.  
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