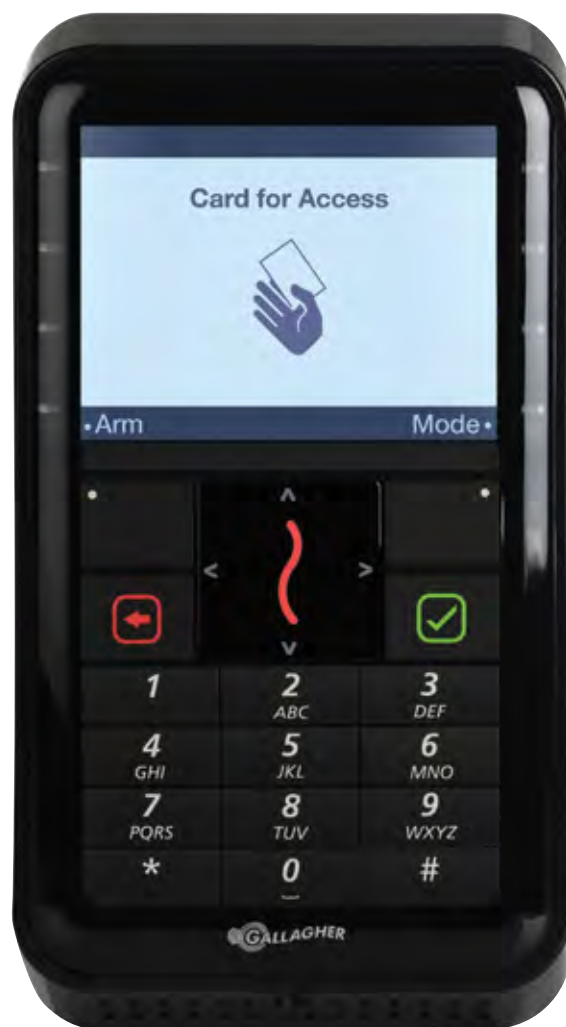# Gallagher
T-Series Readers
T12, T11, T10

The Gallagher T-Series Reader and Terminal range provides contactless card readers for access control management as part of the Gallagher security integration platform.

Key features across the series include the following:

- High speed RS485 protocol, HBUS, offers an access decision response time of 200 milliseconds.
- Unparalleled reader security through IT grade authentication and encryption between the reader and controller with HBUS
- Support for multiple card technologies including: Mifare DESFire EV1, Plus and Classic, as well as 125 kHz proximity technology (T20,T12 and T11 multi technology readers only)
- Unrivalled reader durability and water/dust protection
- Environmentally friendly - RoHS compliant and designed for minimal power consumption
- Backwards compatibility - the readers are compatible with Cardax IV enabled Gallagher Controller and GBUS URI hardware
- Support for custom site encryption keys
- Heartbeat monitoring to ensure reader status can be monitored in real time
- Extensive range of reader mounting and protection accessories.

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Gallagher's T-Series Reader range – T12, T11 & T10 provide additional functionality including:

- IP68 environmental protection and IK07 for impact protection
- Contemporary design - classic black and white, with both mullion or flushbox mounting variants
- Configurable illumination and sound; where visual or audible indications may cause distraction
- Lifetime warranty

Gallagher's T20 Terminal provides additional functionality including:

- Contemporary and intuitive user interface, with a 3.5″ colour LED screen and large backlit keys
- Clear display icons for key access control tasks
- Superior ingress and impact protection
  - IP66 environmental protection and IK08 for impact protection
- Card only and card + PIN access modes (including duress access support)
- Dual cardholder authentication
- Terminal based access mode selection
- Door alarm zone arming/disarming
- Additional capabilities with Gallagher HBUS reader protocol:
  - Enforce cardholder compliance with entry regulations through competency message display
  - Fully up-gradeable software to keep your system up to date with latest technology developments
  - Ability to perform automatic software updates in situ
  - Multiple language support
  - Integrated rear tamper

Gallagher also provide a number of accessories for the T-Series range including:

- Protective Covers - IK08 rating protects readers against vandal attacks and harsh environments
- Dress Plates - cover up holes left by previously installed readers, ensuring a clean finish for sites upgrading their reader and terminal hardware

- Spacers – enforces a space between the reader and the mounting surface, allowing installations on metal surfaces whilst preserving credential read range
- Bezels – surrounds available in a variety of colours to suit décor

T-SERIES PRODUCTS			JULY 2014
T-Series Readers			
C300461	T20 Multi Tech Reader, White	C300421	T12 Mifare Reader, White Rev1
C300460	T20 Multi Tech Reader, Black	C300420	T12 Mifare Reader, Black Rev1
C300451	T20 Mifare Reader, White	C300431	T11 Multi Tech Reader, White, Rev1
C300450	T20 Mifare Reader,	C300430	T11 Multi Tech Reader, Black Rev1
C300441	T12 Multi Tech Reader, White, Rev1	C300411	T11 Mifare Reader, White Rev1
C300440	T12 Multi Tech Reader, Black Rev1	C300410	T11 Mifare Reader, Black Rev1
C300421	T12 Mifare Reader, White Rev1	C300401	T10 Mifare Reader, White Rev1
C300420	T12 Mifare Reader, Black Rev1	C300400	T10 Mifare Reader, Black Rev1
T-Series Dress Plates			
C300323	T20 Dress Plate, Black, Pk 5	C300321	T11 Dress Plate, Black, Pk 10
C300322	T12 Dress Plate, Black, Pk 10	C300320	T10 Dress Plate, Black, Pk 10
T-Series Bezels			
C300292	T20 Bezel, Black, Pk 5	C300284	T11 Bezel, Black Pk 10
C300293	T20 Bezel, White, Pk 5	C300285	T11 Bezel, White, Pk 10
C300294	T20 Bezel, Silver, Pk 5	C300286	T11 Bezel, Silver, Pk 10
C300295	T20 Bezel, Gold, Pk 5	C300287	T11 Bezel, Gold, Pk 10
C300288	T12 Bezel, Black, Pk 10	C300280	T10 Bezel, Black, Pk 10
C300289	T12 Bezel, White, Pk 10	C300281	T10 Bezel, White, Pk 10
C300290	T12 Bezel, Silver, Pk 10	C300282	T10 Bezel, Silver, Pk 10
C300291	T12 Bezel, Gold, Pk 10	C300283	T10 Bezel, Gold, Pk 10
T-Series Spacers			
C300306	T20 Spacer, Black, Pk 5	C300300	T10 Spacer, Black, Pk 10
C300307	T20 Spacer, White, Pk 5	C300300	T10 Spacer, Black, Pk 10
C300304	T12 Spacer, Black, Pk 10	C300301	T10 Spacer, White, Pk 10
C300305	T12 Spacer, White, Pk 10	C300312	T20 Protective Cover Spacer
C300302	T11 Spacer, Black, Pk 10	C300311	T11/T12 Protective Cover Spacer
C300303	T11 Spacer, White, Pk 10	C300310	T10 Protective Cover Spacer
T-Series Protective Covers			
C300271	T11/T12 Protective Cover	C300270	T10 Protective Cover
C300272	T20 Protective Cover		

TECHNOLOGY AND READ DISTANCE*   Mifare / Multi Mode

	T12	T11	T10
Mifare Classic	55mm		55mm
Mifare Plus, DESFire	30mm		30mm
125kHz	85mm		

	Mifare Mode			Multi mode	
POWER SUPPLY	T12	T11	T10	T12	T11
Voltage	9-16Vdc				
Idle current @ 13.6Vdc	84mA			100mA	

DIMENSIONS	T12	T11	T10
mm	86 x 86 x 12	115 x 70 x 12	115 x 35 x 12
Inches	3.4 x 3.4 x 0.5	4.5 x 2.8 x 0.5	4.5 x 1.4 x 0.5

DATA CABLE SPECIFICATIONSº	T12	T11	T10
	2 wire, RS485 data cable (Cat5, Belden 9842 or equivalent) HBUS-500M; Cardax IV- 200M		

ENVIRONMENTAL SPECIFICATIONS	T12	T11	T10
Temperature Range	-35º to + 70ºC (-31ºF to +158ºF)		
Humidity	95% non-condensing		
Environmental protection	IP68		
Impact rating	IK07		
UV Stability	Nil structural degradation for the life of the reader⁺		

GALLAGHER PROTECTIVE COVER FOR GALLAGHER T SERIES READERS

	T12	T11	T10
Dimensions (H X W X D)	131mm x 111mm x 18mm	131mm x 111mm x 18mm	132mm x 63mm x 18mm

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