Gallagher
T Series Readers
T20, 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:

- 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)

- Unparelleled 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:

- Advanced communication - Gallagher T Series Readers are equipped with a new high speed RS-485 communications protocol, HBUS
- HBUS offers unparalleled reader security through IT grade authentication and encryption between the reader and controller
- 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
- Support for the Cardax IV reader protocol, providing:
  - Card only and card + PIN access modes (including duress access support)
  - Dual cardholder authentication
  - Terminal based access mode selection
  - Door alarm zone arming/disarming
- Superior ingress and impact protection
  - IP66 enviromental protection and IK09 for impact protection

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

- Vandal Covers - protect 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; including standard black or white and premium silver and gold colors

T-SERIES PRODUCTS			JUNE 2013
T-Series Readers			
T20 Multi Tech Reader, Black	C300460	T11 Multi Tech Reader, White, Rev1	C300431
T20 Mifare Reader, Black	C300450	T11 Multi Tech Reader, Black Rev1	C300430
T12 Multi Tech Reader, White, Rev1	C300441	T11 Mifare Reader, White Rev1	C300411
T12 Multi Tech Reader, Black Rev1	C300440	T11 Mifare Reader, Black Rev1	C300410
T12 Mifare Reader, White Rev1	C300421	T10 Mifare Reader, White Rev1	C300401
T12 Mifare Reader, Black Rev1	C300420	T10 Mifare Reader, Black Rev1	C300400
T-Series Dress Plates			
T20 Dress Plate, Black, Pk 5	C300323	T11 Dress Plate, Black, Pk 10	C300321
T12 Dress Plate, Black, Pk 10	C300322	T10 Dress Plate, Black, Pk 10	C300320
T-Series Bezels			
T20 Bezel, Black, Pk 5	C300292	T11 Bezel, Black Pk 10	C300284
T20 Bezel, White, Pk 5	C300293	T11 Bezel, White, Pk 10	C300285
T20 Bezel, Silver, Pk 5	C300294	T11 Bezel, Silver, Pk 10	C300286
T20 Bezel, Gold, Pk 5	C300295	T11 Bezel, Gold, Pk 10	C300287
T12 Bezel, Black, Pk 10	C300288	T10 Bezel, Black, Pk 10	C300280
T12 Bezel, White, Pk 10	C300289	T10 Bezel, White, Pk 10	C300281
T12 Bezel, Silver, Pk 10	C300290	T10 Bezel, Silver, Pk 10	C300282
T12 Bezel, Gold, Pk 10	C300291	T10 Bezel, Gold, Pk 10	C300283
T-Series Spacers			
T20 Spacer, Black, Pk 5	C300306	T10 Spacer, Black, Pk 10	C300300
T12 Spacer, Black, Pk 10	C300304	T10 Spacer, White, Pk 10	C300301
T12 Spacer, White, Pk 10	C300305	T11/T12 Vandal Cover Spacer	C300311
T11 Spacer, Black, Pk 10	C300302	T10 Vandal Cover Spacer	C300310
T11 Spacer, White, Pk 10	C300303		
T-Series Vandal Covers*			
T11/T12 Vandal Cover	C300271	T10 Vandal Cover	C300270

*The T20 Vandal Cover is currently in development

TECHNOLOGY AND READ DISTANCE*	Mifare / Multi Mode			
	T20	T12	T11	T10
Mifare Classic	80mm	55mm		55mm
Mifare Plus, DESFire	40mm	30mm		30mm
125kHz	95mm	85mm		

	Mifare Mode				Multi mode		
POWER SUPPLY	T20	T12	T11	T10	T20	T12	T11
Voltage	9-16Vdc						
Idle current @ 13.6Vdc	130mA	84mA		74mA	160mA	100mA	

DIMENSIONS	T20	T12	T11	T10
mm	179.5 x 95.7 x23	86 x 86 x 12	115 x 70 12	115 x 35 x 12
Inches	7.1 x 3.8 x0.9	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 SPECIFICATIONS°	T20	T12	T11	T10
	Cardax IV (using Cat5e Belden 9842 (24AWG) 200M)	HBUS - 500m + Cardax IV (using Cat5e Belden 9842 (24AWG) 200m)		

ENVIRONMENTAL SPECIFICATIONS	T20	T12	T11	T10
Temperature Range	-30° to + 70°C (-22°F to +158°F)	-35° to + 70°C (-31°F to +158°F)		
Humidity	95% non-condensing			
Environmental protection	IP66	IP68		
Impact rating	IK09	IK07		
UV Stability	Nil structural degradation for the life of the reader⁺			
Standards Compliance	All equipment complies with FCC, CE and C-Tick approvals. Please contact Gallagher for the latest list of approvals.			

*Read range may be reduced when reader is mounted on metal surfaces
⁺Prolonged exposure to high UV light environments can cause plastics to discolor
°For further cable specifications please refer to the Gallagher Security System Technical Reference Manual

GALLAGHER VANDAL COVER FOR GALLAGHER T SERIES READERS				
	T20	T12	T11	T10
Dimensions (H X W X D)	T20 in development	131mm x 111mm x 18mm	131mm x 111mm x 18mm	132mm x 63mm x 18mm

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Disclaimer: System configuration, network capacities and the volume of system activity affect performance. Please contact Gallagher for advice. In accordance with the Gallagher policy of continuing development, design and specifications are subject to change without notice. Gallagher Group Limited is an ISO 9001:2008 Certified Supplier. Copyright © Gallagher Group Limited 2012. All rights reserved.

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