

T-Series Readers

Works with Apple Wallet

The Gallagher T-Series Reader and Terminal range supports ISO 14443 communication which is the primary underlying protocol for modern NFC communication. The readers support the MIFARE® smartcard technology and Gallagher Mobile Connect NFC on Android phones. Additionally, the readers support a range of 125 kHz technology cards. Bluetooth® Low Energy (BLE) wireless is included for Gallagher Mobile Connect short and medium range access control from a smartphone, and battery powered BLE cards and tags.

Features and benefits:

- Reader hardware is compatible with Apple's Enhanced Contactless Polling (ECP) protocol 2.3 to support credentials in Apple Wallet, and is compatible with Android Wallet credentials.
- Compatible with Gallagher mobile credentials using Gallagher Mobile Connect with Bluetooth® enabled smartphones. Compatible with Gallagher mobile credentials using Gallagher Mobile Connect with NFC enabled Android smartphones.
- Support for MIFARE® DESFire EV3/EV2/EV1®, MIFARE Plus®, MIFARE Classic®, 125 kHz proximity cards, and BLE powered cards and tags.
- Connected using Gallagher's secure high-speed RS485 HBUS communications protocol, offering an unparalleled access decision response time. HBUS provides secure device authentication and data encryption.
- Centralized firmware updates for all readers, allowing for the latest technology improvements and security fixes to be applied.
- Support for custom site encryption keys and centralized key rolling.
- Heartbeat monitoring for real-time reader status.
- Protection from extreme environmental conditions.
- Environmentally friendly – RoHS compliant and designed for minimal power consumption.
- Extensive selection of mounting and reader protection accessories.

Gallagher T20 Terminal

With a contemporary and intuitive user interface, 3.5" color screen and large backlit keys, Gallagher's T20 access terminal is very easy to use. Crafted from high grade polymer material, the terminal has IP66 rated environmental protection, and IK08 rated impact protection making it ideal for use in harsh environments. The T20 is both an access reader and a management tool, able to read cards, accept PIN's and has the ability to interface directly with the security system to make control decisions

Features and benefits

- Display company logo's, promotional imagery, and messaging, customized exit and entry access denied/granted messages, and enforce cardholder competencies through message display.
- Manage building facilities like heating, ventilation, or lighting with a key press.
- Arm and disarm up to 50 alarm zones distributed across any system controllers, with optional automated input isolation, and automated alarms acknowledgment.
- Display up to 200 unacknowledged alarms and 100 acknowledged alarms, and manage up to 100 inputs. An alarms only variant is available (The T20 Alarms Terminal - C300463) when reader capability is not required.
- Maintain system integrity with prompts to conduct manual system checks
- Utilize extensive perimeter management functions.
- Supports multiple languages.
- Ensure awareness of any attempted tampering with an integrated rear tamper.
- Fully configurable Mimic Panel reflecting the status of up to 8 inputs, outputs, or alarm zones.
- Prevent bystander PIN disclosure at the keypad with Cipher Pad functionlity.
- Supports Gallagher Mobile Connect



T20

Gallagher T30 Keypad Reader

Providing that vital extra layer of security, while being robust enough to withstand the harshest of conditions.

- Protection from the elements, with an environmental protection rating of IP68.
- Supports Gallagher Mobile Connect.
- A dedicated arming key with Alarm Zone status indication.
- IK09 impact protection rating.
- Surface and flush box mounting options.



T30

Gallagher T-Series Readers

Available in several thin-form shapes, black or white, MIFARE or multi tech, the contactless readers of the T-Series range provide a reader option for anywhere on site.

Features and benefits

- Strong environmental protection and 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.
- Limited lifetime warranty.



T10 T11 T12 T15



T15 Reader

Superior environmental protection

The robust construction of Gallagher's T15 Reader makes it perfect for deployment in environmentally challenging locations. Our comprehensive testing procedures prove the T15 delivers outstanding all-weather performance, making it the easy choice for outdoor use.

Slim form factor

Available in standard and multi-technology variants, the T15 sits easily on a mullion, and delivers reliable card reading performance when mounted on a variety of surfaces (including metal).

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
- **Bezels** – surrounds available in a variety of colors to suit decor
- **Spacers** – enforces a space between the reader and the mounting surface, allowing installations on metal surfaces whilst preserving credential read range
- **Mounting blocks** – allow the T20's wiring to be terminated in a tamper protected environment.



Product Numbers

T-Series Readers					
C300495	T30 MIFARE Keypad Reader, Black	C300471	T15 MIFARE Reader, White	C300431	T11 Multi Tech Reader, White
C300496	T30 MIFARE Keypad Reader, White	C300470	T15 MIFARE Reader, Black	C300430	T11 Multi Tech Reader, Black
C300490	T30 Multi Tech Reader, Black	C300481	T15 Multi Tech Reader, White	C300411	T11 MIFARE Reader, White
C300491	T30 Multi Tech Reader, White	C300480	T15 Multi Tech Reader, Black	C300410	T11 MIFARE Reader, Black
C300461	T20 Multi Tech Terminal, White	C300441	T12 Multi Tech Reader, White	C300401	T10 MIFARE Reader, White
C300460	T20 Multi Tech Terminal, Black	C300440	T12 Multi Tech Reader, Black	C300400	T10 MIFARE Reader, Black
C300451	T20 MIFARE Terminal, White	C300421	T12 MIFARE Reader, White		
C300450	T20 MIFARE Terminal, Black	C300420	T12 MIFARE Reader, Black		

T20 Alarms Terminal					
C300463	T20 Alarms Terminal, Black	C300464	T20 Alarms Terminal, White		

T-Series Dress Plates					
C300326	T30 Dress Plate, Black, Pk 5	C300324	T15 Dress Plate, Black, Pk 10	C300321	T11 Dress Plate, Black, Pk 10
C300323	T20 Dress Plate, Black, Pk 5	C300322	T12 Dress Plate, Black, Pk 10	C300320	T10 Dress Plate, Black, Pk 10

T-Series Bezels					
C300395	T30 Bezel, Black, Pk 5	C300296	T15 Bezel, Black, Pk 10	C300284	T11 Bezel, Black Pk 10
C300396	T30 Bezel, White, Pk 5	C300297	T15 Bezel, White, Pk 10	C300285	T11 Bezel, White, Pk 10
C300397	T30 Bezel, Silver, Pk 5	C300298	T15 Bezel, Silver, Pk 10	C300286	T11 Bezel, Silver, Pk 10
C300398	T30 Bezel, Gold, Pk 5	C300299	T15 Bezel, Gold, Pk 10	C300287	T11 Bezel, Gold, Pk 10
C300292	T20 Bezel, Black, Pk 5	C300288	T12 Bezel, Black, Pk 10	C300280	T10 Bezel, Black, Pk 10
C300293	T20 Bezel, White, Pk 5	C300289	T12 Bezel, White, Pk 10	C300281	T10 Bezel, White, Pk 10
C300294	T20 Bezel, Silver, Pk 5	C300290	T12 Bezel, Silver, Pk 10	C300282	T10 Bezel, Silver, Pk 10
C300295	T20 Bezel, Gold, Pk 5	C300291	T12 Bezel, Gold, Pk 10	C300283	T10 Bezel, Gold, Pk 10

T-Series Spacers					
C300318	T30 Spacer, Black, Pk 5	C300305	T12 Spacer, White, Pk 10	C300301	T10 Spacer, White, Pk 10
C300319	T30 Spacer, White, Pk 5	C300302	T11 Spacer, Black, Pk 10	C300312	T20 Protective Cover Spacer
C300306	T20 Spacer, Black, Pk 5	C300303	T11 Spacer, White, Pk 10	C300311	T11/T12 Protective Cover Spacer
C300307	T20 Spacer, White, Pk 5	C300300	T10 Spacer, Black, Pk 10	C300310	T10 Protective Cover Spacer
C300304	T12 Spacer, Black, Pk 10				

T-Series Protective Covers					
C300271	T11/T12 Protective Cover	C300270	T10 Protective Cover	C300272	T20 Protective Cover
C300274	T15 Protective Cover				

Mounting Blocks					
C300931	T20 Mounting Block, Side Cable Entry	C300930	T20 Mounting Block, Rear Cable Entry	C300951	T15 Mounting Block, Side Cable Entry

Technical Specifications



T-Series Readers	T10	T11	T12	T15	T20	T30
NFC Digital Wallets		ISO 14443 Type A. Digital Wallet Credentials are supported on Multi Tech variants only				
Bluetooth		Bluetooth Low Energy (BLE) is supported on multi-tech variants only. BLE read distance is configurable.				
- MIFARE DESFire EV3 Keyfob	40mm	30mm	30mm	40mm	70mm	50mm
- MIFARE DESFire EV3 Bracelet	40mm	30mm	30mm	40mm	70mm	50mm
- MIFARE DESFire EV3 ISO Card	60mm	50mm	50mm	60mm	100mm	80mm
- MIFARE DESFire EV2 ISO Card	60mm	60mm	60mm	50mm	100mm	85mm
- MIFARE DESFire EV1 ISO Card	55mm	45mm	50mm	50mm	80mm	60mm
- MIFARE Plus ISO Card	45mm	30mm	35mm	40mm	60mm	45mm
- MIFARE Classic ISO Card	65mm	70mm	70mm	65mm	100mm	70mm
- 125kHz ISO Card	-	95mm	95mm	60mm	95mm	-
Dimensions mm (H x W x D)	115 x 35 x 12	115 x 70 x 12	86 x 86 x 12	139 x 44 x23	179.5 x 95.7 x23	118 x 86 x 27
Dimensions inches (H x W x D)	4.5 x 1.4 x 0.5	4.5 x 2.8 x 0.5	3.4 x 3.4 x 0.5	5.5 x 1.7 x0.9	7.1 x 3.8 x0.9	4.6 x 3.4 x 1.1
Environmental protection	IP66	IP68	IP68	IP68	IP66	IP68
Rear Optical Tamper					✓	✓
Impact rating	IK07				IK08	IK09
UV Stability	Nil structural degradation for the life of the reader†					
Voltage	9-16Vdc	9-16Vdc	9-16Vdc	9-16Vdc	9-16Vdc	9-16Vdc
Idle current @ 13.6Vdc - MIFARE	51mA	50mA	50mA	50mA	168mA	130mA
Idle current @ 13.6Vdc - Multi	-	80mA	80mA	81mA	157mA	130mA
Operational Temperature Range °C	-35° to + 70°C				-30° to + 70°C	-35° to + 70°C
Operational Temperature Range °F	-31°F to +158°F				-22°F to +158°F	-31°F to +158°F
Humidity	95% non-condensing					93% relative humidity (RH) at +40°C 97% RH at +25°C

Cable specifications (HBUS data only)	
Cat5e††	up to 500m
Gallagher HBUS Cable††	up to 500m
Standards Compliance	All equipment complies with FCC, CE, UL, and RCM approvals. Compliance and certification information is available on our support site or by contacting Gallagher.

* 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

††† For further information on the Mobile Connect solution, please refer to the Mobile Connect Datasheet

Note: Mobile credentials are supported on multi-tech reader variants only. High Sec readers are not supported. For further information on the Mobile Connect solution, please refer to the Mobile Connect Datasheet.

Note: When configured to read NFC Digital wallets, read range is reduced to meet the wallet provider's requirements.

Protective Covers	T10	T11	T12	T20
Dimensions mm (H X W X D)	132 x 63 x 18	131 x 111 x 18	131 x 111 x 18	193 x 123 x 32
Dimensions inches (H X W X D)	5.2 x 2.5 x 0.7	5.2 x 4.4 x 0.7	5.2 x 4.4 x 0.7	7.6 x 4.8 x 1.3

MIFARE Classic, MIFARE Plus, MIFARE DESFire EV1, EV2, and EV3 are registered trademarks of NXP B.V.

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GALLAGHER Security

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