T-Series Readers

The Gallagher T-Series Reader and Terminal range provides contactless card functionality for access control management in your business.

Fast and secure access control

Utilizing the high speed RS485 HBUS protocol, Gallagher readers can offer an unparalleled access decision response time of under 200 milliseconds.

Features and benefits:

- Support for multiple card technologies including: Mifare DESFire EV1/EV2, Plus and Classic, as well as optional 125 kHz proximity and Bluetooth® wireless technology
- Field upgradeable reader software - new functionality delivered to the reader on controller software upgrades
- Secure reader authentication and encryption of data communications
- Options for outdoor protection from extreme environments
- Environmentally friendly - RoHS compliant and designed for minimal power consumption
- Backwards compatibility - the readers are compatible with Cardax IV enabled hardware
- Support for custom site encryption keys
- Heartbeat monitoring for real-time reader health monitoring
- Extensive selection of reader colors, mounting, and protection accessories

Gallagher T20 Terminal

With a contemporary and intuitive user interface, 3.5" color LED 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

- Card Only and Card + PIN access modes (including duress access support, and dual cardholder authentication)
- Enforce cardholder compliance with entry regulations through competency message display
- Control Outputs to manage building facilities
- 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 scheduled or manual tests
- Extensive perimeter management functions, including arming and disarming zones, acknowledging alarms, fence zone lockout for maintenance, and displaying fence voltage, battery voltage and fence controller temperature.
- Multiple language support
- Integrated rear tamper
- Custom background images when in idle mode
- Fully configurable Mimic Panel reflecting the status of up to 8 inputs, outputs, or alarm zones
- Upgrade software in situ to keep your system up to date with latest technology developments (via HBUS)

T20

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

- 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

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.

T-SERIES PRODUCTS

T-Series Readers					
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		
C300471	T15 Mifare Reader, White	C300431	T11 Multi Tech Reader, White		
C300470	T15 Mifare Reader, Black	C300430	T11 Multi Tech Reader, Black		
C300481	T15 Multi Tech Reader, White	C300411	T11 Mifare Reader, White		
C300480	T15 Multi Tech Reader, Black	C300410	T11 Mifare Reader, Black		
T20 Alarms Terminal					
C300463	T20 Alarms Terminal, Black	C300464	T20 Alarms Terminal, White		
T-Series Dress Plates					
C300323	T20 Dress Plate, Black, Pk 5	C300321	T11 Dress Plate, Black, Pk 10	C300320	T10 Dress Plate, Black, Pk 10
C300322	T12 Dress Plate, Black, Pk 10	C300324	T15 Dress Plate, Black, Pk 10		
T-Series Bezels					
C300292	T20 Bezel, Black, Pk 5	C300299	T15 Bezel, Gold, Pk 10	C300286	T11 Bezel, Silver, Pk 10
C300293	T20 Bezel, White, Pk 5	C300288	T12 Bezel, Black, Pk 10	C300287	T11 Bezel, Gold, Pk 10
C300294	T20 Bezel, Silver, Pk 5	C300289	T12 Bezel, White, Pk 10	C300280	T10 Bezel, Black, Pk 10
C300295	T20 Bezel, Gold, Pk 5	C300290	T12 Bezel, Silver, Pk 10	C300281	T10 Bezel, White, Pk 10
C300296	T15 Bezel, Black, Pk 10	C300291	T12 Bezel, Gold, Pk 10	C300282	T10 Bezel, Silver, Pk 10
C300297	T15 Bezel, White, Pk 10	C300284	T11 Bezel, Black Pk 10	C300283	T10 Bezel, Gold, Pk 10
C300298	T15 Bezel, Silver, Pk 10	C300285	T11 Bezel, White, Pk 10		
T-Series Spacers					
C300306	T20 Spacer, Black, Pk 5	C300302	T11 Spacer, Black, Pk 10	C300301	T10 Spacer, White, Pk 10
C300307	T20 Spacer, White, Pk 5	C300303	T11 Spacer, White, Pk 10	C300312	T20 Protective Cover Spacer
C300304	T12 Spacer, Black, Pk 10	C300300	T10 Spacer, Black, Pk 10	C300311	T11/T12 Protective Cover Spacer
C300305	T12 Spacer, White, Pk 10	C300300	T10 Spacer, Black, Pk 10	C300310	T10 Protective Cover Spacer
T-Series Protective Covers					
C300271	T11/T12 Protective Cover	C300270	T10 Protective Cover	C300272	T20 Protective Cover
Mounting Blocks					
C303931	T20 Mounting Block, Side Cable Entry	C303930	T20 Mounting Block, Rear Cable Entry		

Technical Specifications

T-Series Readers	T10	T11	T12	T15	T20
Maximum Read distance - Mifare Classic	75mm	75mm	75mm	75mm	100mm
- DESFire EV1	50mm	50mm	50mm	35mm	95mm
- DESFire EV2	60mm	60mm	60mm	50mm	100mm
- Mifare Plus	30mm	30mm	30mm	25mm	65mm
- 125kHz	-	95mm	95mm	60mm	95mm
- Mobile Connect (BLE) †††	-	Configurable	Configurable	Configurable	Configurable

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
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
Environmental protection	IP68				IP66
Impact rating	IK07				IK08
UV Stability	Nil structural degradation for the life of the reader†				

Voltage	9-16Vdc	9-16Vdc	9-16Vdc	9-16Vdc	9-16Vdc
Idle current @ 13.6Vdc - Mifare	51mA	50mA	50mA	50mA	168mA
Idle current @ 13.6Vdc - Multi	-	80mA	80mA	81mA	157mA

Operational Temperature Range °C	-35° to + 70°C	-30° to + 70°C
Operational Temperature Range °F	-31°F to +158°F	-22°F to +158°F
Humidity	95% non-condensing	

Cable length - Cat5e (data and power)††	up to 50m
Cable length - Cat5e (data only)††	up to 500m
Cable length - HBUS Cable (data and power)††	up to 200m

Standards Compliance	All equipment complies with FCC, CE, UL, 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
††† For further information on the Mobile Connect solution, please refer to the Mobile Connect Datasheet

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

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