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.

Features and benefits

- Support for multiple card technologies including: MIFARE DESFire EV1®, MIFARE DESFire EV2®, MIFARE Plus® and MIFARE Classic®, as well as optional 125 kHz proximity and Bluetooth® wireless technology
- Field upgradeable software
- 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 status
- Extensive selection of mounting, and protection accessories

security.gallagher.com
**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 PINs 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
- 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
- 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 to display company logo’s, promotional imagery or messaging
- 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)

**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

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**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**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>C300461</td>
<td>T20 Multi Tech Terminal, White</td>
<td>C300441</td>
</tr>
<tr>
<td>C300460</td>
<td>T20 Multi Tech Terminal, Black</td>
<td>C300440</td>
</tr>
<tr>
<td>C300451</td>
<td>T20 MIFARE Terminal, White</td>
<td>C300421</td>
</tr>
<tr>
<td>C300450</td>
<td>T20 MIFARE Terminal, Black</td>
<td>C300420</td>
</tr>
<tr>
<td>C300471</td>
<td>T15 MIFARE Reader, White</td>
<td>C300431</td>
</tr>
<tr>
<td>C300470</td>
<td>T15 MIFARE Reader, Black</td>
<td>C300430</td>
</tr>
<tr>
<td>C300481</td>
<td>T15 Multi Tech Reader, White</td>
<td>C300411</td>
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<tr>
<td>C300480</td>
<td>T15 Multi Tech Reader, Black</td>
<td>C300410</td>
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**T-Series Dress Plates**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>C300323</td>
<td>T20 Dress Plate, Black, Pk 5</td>
<td>C300321</td>
</tr>
<tr>
<td>C300322</td>
<td>T12 Dress Plate, Black, Pk 10</td>
<td>C300324</td>
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</table>

**T-Series Bezels**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>C300292</td>
<td>T20 Bezel, Black, Pk 5</td>
<td>C300299</td>
</tr>
<tr>
<td>C300293</td>
<td>T20 Bezel, White, Pk 5</td>
<td>C300288</td>
</tr>
<tr>
<td>C300294</td>
<td>T20 Bezel, Silver, Pk 5</td>
<td>C300289</td>
</tr>
<tr>
<td>C300295</td>
<td>T20 Bezel, Gold, Pk 5</td>
<td>C300290</td>
</tr>
<tr>
<td>C300296</td>
<td>T15 Bezel, Black, Pk 10</td>
<td>C300291</td>
</tr>
<tr>
<td>C300297</td>
<td>T15 Bezel, White, Pk 10</td>
<td>C300284</td>
</tr>
<tr>
<td>C300298</td>
<td>T15 Bezel, Silver, Pk 10</td>
<td>C300285</td>
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</table>

**T-Series Spacers**

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<tr>
<th>Product Number</th>
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<tbody>
<tr>
<td>C300306</td>
<td>T20 Spacer, Black, Pk 5</td>
<td>C300302</td>
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<tr>
<td>C300307</td>
<td>T20 Spacer, White, Pk 5</td>
<td>C300303</td>
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<tr>
<td>C300304</td>
<td>T12 Spacer, Black, Pk 10</td>
<td>C300300</td>
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<tr>
<td>C300305</td>
<td>T12 Spacer, White, Pk 10</td>
<td>C300300</td>
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**T-Series Protective Covers**

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<th>Description</th>
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<tbody>
<tr>
<td>C300271</td>
<td>T11/T12 Protective Cover</td>
<td>C300270</td>
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**Mounting Blocks**

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<th>Description</th>
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<tbody>
<tr>
<td>C300931</td>
<td>T20 Mounting Block, Side Cable Entry</td>
<td>C300930</td>
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<tr>
<td>C300951</td>
<td>T15 Mounting Block, Side Cable Entry</td>
<td>C300951</td>
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### Technical Specifications

#### T-Series Readers

<table>
<thead>
<tr>
<th>Model</th>
<th>T10</th>
<th>T11</th>
<th>T12</th>
<th>T15</th>
<th>T20</th>
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<tbody>
<tr>
<td>Max. Read distance MIFARE Classic</td>
<td>75mm</td>
<td>75mm</td>
<td>75mm</td>
<td>75mm</td>
<td>100mm</td>
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<tr>
<td>- MIFARE DESFire EV1</td>
<td>50mm</td>
<td>50mm</td>
<td>50mm</td>
<td>50mm</td>
<td>95mm</td>
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<tr>
<td>- MIFARE DESFire EV2</td>
<td>60mm</td>
<td>60mm</td>
<td>60mm</td>
<td>60mm</td>
<td>100mm</td>
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<td>- MIFARE Plus</td>
<td>30mm</td>
<td>30mm</td>
<td>30mm</td>
<td>25mm</td>
<td>65mm</td>
</tr>
<tr>
<td>- 125kHz</td>
<td>-</td>
<td>95mm</td>
<td>95mm</td>
<td>60mm</td>
<td>95mm</td>
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<tr>
<td>- Mobile Connect (BLE)†††</td>
<td>-</td>
<td>Configurable</td>
<td>Configurable</td>
<td>Configurable</td>
<td>Configurable</td>
</tr>
</tbody>
</table>

#### Dimensions

- **Dimensions (mm H x W x D):**
  - T10: 115 x 35 x 12
  - T11: 115 x 70 x 12
  - T12: 86 x 86 x 12
  - T15: 139 x 44 x 23
  - T20: 179.5 x 95.7 x 23

- **Dimensions (inches H x W x D):**
  - T10: 4.5 x 1.4 x 0.5
  - T11: 4.5 x 2.8 x 0.5
  - T12: 3.4 x 3.4 x 0.5
  - T15: 5.5 x 1.7 x 0.9
  - T20: 7.1 x 3.8 x 0.9

#### Environmental Protection

- **IP Rating:**
  - T10: IP68
  - T11: IP68
  - T12: IP68
  - T15: IP68
  - T20: IP68

#### Impact Rating

- **IK Rating:**
  - T10: IK07
  - T11: IK08
  - T12: IK07
  - T15: IK08
  - T20: IK08

#### UV Stability

- Nil structural degradation for the life of the reader

#### Voltage

- **9-16Vdc**
  - T10: 51mA
  - T11: 50mA
  - T12: 50mA
  - T15: 50mA
  - T20: 168mA

#### Operational Temperature Range

- **°C:**
  - T10: -35° to +70°C
  - T11: -30° to +70°C
  - T12: -31° to +158°F
  - T15: -22° to +158°F
  - T20: -32° to +158°F

- **°F:**
  - T10: -31° to +158°F
  - T11: -22° to +158°F
  - T12: -31° to +158°F
  - T15: -31° to +158°F
  - T20: -31° to +158°F

#### Humidity

- 95% non-condensing

### Cable Specifications (MIFARE 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.

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

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