GT System is ideal for large scale multiple buildings. Fresh design, Aiphone’s multi-tenant system can now serve up to 5,000 residences.

**Multi building development**

- Install one system for housing complexes with multiple buildings
- Building management from anywhere via IP network connection
- All residences can be called from main entrances and guard stations

(Maximum capacity → P.50)

**Large scale residential building (more than 500 units)**

- Cover a building with more than 500 units with one system

(Maximum capacity → P.50)
residential developments with new technology.

Designed to be even easier to use, our new tenant station features a clear 7 inch display with smartphone App.

### Main Products

#### Wireless LAN model

- **GT-1C7W**
  - 7 inch Display tenant station
  - Smartphone App available: Answer calls from the entrance station anywhere inside or outside your home.

#### Standard model

- **GT-1C7**
  - 7 inch Display tenant station
  - Functional design, intuitive control: illuminated easy-to-see buttons for door release and communication.

<table>
<thead>
<tr>
<th>Product</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 inch Display tenant station</td>
<td>GT-1M3</td>
</tr>
<tr>
<td>Audio tenant station</td>
<td>GT-1D</td>
</tr>
<tr>
<td>Entrance station</td>
<td>GT-DMB-N</td>
</tr>
<tr>
<td>Guard station</td>
<td>GT-MKB-N</td>
</tr>
</tbody>
</table>

- **GT-1D**
  - Handset audio communication

- **GT-DMB-N**
  - Compact design with built-in NFC reader for easy management

- **GT-MKB-N**
  - Check visitors on 3.5 inch display
  - Built-in NFC reader for easy management
Multi building development

- Can be configured as a single system without creating separate systems for each building
- Connect buildings through an IP network. Ideal for large sites with long distances between buildings
- The main building can communicate with all tenant buildings

Proposed system:

1. Standard system, 3 Expanded systems in tenant buildings
2. Expanded systems in main buildings

(Maximum capacity → P.50)

*Possible to mix video and audio only systems.

Tenant building A (40 units)

Main building 2

Tenant building C (350 units)

Tenant building D (270 units)

Main building 1

Tenant building A, B, C, D: In the above example, tenant buildings mean residential buildings and towers.
Main building 1 & 2: In the above example, main buildings mean facilities such as security centers and administrative offices.
**System Configuration Example**

### Tenant building A: 40 units (Standard system)

Total max. wiring distance is 2,500m. Do not mix wiring methods within individual trunk lines.

- **Divided cabling with GT-4Z**
  - Trunk line No.1
  - No.4

- **Divided cabling with GT-1Z**
  - GT-1Z

### Tenant building B: 400 units (Expanded system)

4 sub trunk lines (SUB1A, 1B, 2A, 2B)

Max. 125 Tenant stations and max. 2,500m wiring distance for each sub trunk line. Total max. wiring distance is 10,000m. Do not mix wiring methods within individual trunk lines.

- **Daisy chain cabling**
  - Trunk line No.1
  - No.4

### Main building 1 (Expanded System)

- **Main entrance station**
  - Max. 7 / common line 1
  - Max. 8 / common line 2

- **Tenant entrance station**
  - Max. 2 / common line 2

- **Tenant guard station**
  - Max. 1 / common line 1
  - Max. 2 / common line 2

- **Tenant building C 350 units**
  - Tenant building D 270 units

---

1. With additional GT-VBC [EXP]
2. GT-1C7W and GT-2C require power supply
Video Multi-Tenant System

Installation Example

Large scale residential building (more than 500 units)
e.g. 3 Tenant sections (1,100 Tenant stations)
1 Main section (3 Entrance stations, 3 Guard stations)

- Multi-building control units allow systems to be configured without having to use separate systems for each section
- All tenant stations can be called from any entrance station or guard station

Proposed system:
3 Expanded systems in tenant sections
1 Expanded system in main section
(Maximum capacity→P.50)
*Possible to mix video and audio only systems.

Main section: In the above example, main section means lobby and main entrance.
System Configuration Example

**Tenant section C: 300 units (Expanded system)**

**Tenant section B: 400 units (Expanded system)**

**Tenant section A: 400 units (Expanded system)**

- 4 sub trunk lines (SUB1A, 1B, 2A, 2B)
- Max. 125 Tenant stations and max. 2,500m wiring distance for each sub trunk line.
- Total max. wiring distance is 10,000m.

**Main section (Expanded System)**

- Daisy chain cabling
- Trunk line No.1
- Trunk line No.2
- Trunk line No.3
- Trunk line No.4

- GT-1C7W
- GT-1C7W
- GT-1C7W
- GT-1C7W

**LAN**

- CAT-5e/6

- Switch

- GT-MCX
- GT-BC
- GT-VBC
- GT-BCXBN
- GT-VBX

**Main entrance station**

- Max. 7 / common line 1
- Max. 8 / common line 2

**Main guard station**

- Max. 1 / common line 1
- Max. 2 / common line 2

- GT-MKB-N
- GT-MKB-N
- GT-DMB-N
- GT-DMB-N

- Coaxial cable
- Power supply

**CCTV Camera**

- 300m / 0.8mm²

**With additional GT-VBC [EXP]**

*1. With additional GT-VBC [EXP]  
*2. GT-1C7W and GT-2C require power supply*
Installation Example

Small residential building (e.g. 20 units)
e.g. 1 Tenant building (1 Entrance station, 1 Guard station, 20 Tenant stations)
Proposed system:
1 Standard system in tenant building
(Maximum capacity → P.50)
*Possible to mix video and audio only tenant stations.

System Configuration Example

Total max. wiring distance is 2,500m.

Divided cabling with GT-4Z
Trunk line No.1

Do not mix wiring methods within individual trunk lines

Divided cabling with GT-1Z
No.5

*1. With additional GT-VBC [EXP]  *2. GT-1C7W and GT-2C require power supply
Installation Example

Medium-size residential building (e.g. 150 units)
e.g. 1 Tenant building (2 Entrance stations,
2 Guard stations, 150 Tenant stations)

Proposed system:
1 Expanded system in tenant building
(Maximum capacity → P.50)
*Possible to mix video and
audio only tenant stations.

System Configuration Example

4 sub trunk lines (SUB1A, 1B, 2A, 2B)
Max. 125 tenant stations and max. 2,500m wiring distance for each sub trunk line.
Total max. wiring distance is 10,000m.
Video Multi-Tenant System

Entrance station

All-in-one type

- 170° angle wide view camera
- White light LED
- Display
- Speaker
- Access control / tenant number dialing keypad
- Directory scroll / Cancel / Call buttons
- Motion sensor

GT-DMB-N
Entrance station W/NFC reader
(Back box not included.
Use GF-3B.

Module type

- Zinc die-cast panel
- White light LED
- Display
- Speaker
- In-use LED
- NFC reader
- Directory card & cover

Camera Module
GT-VP
Camera panel
GT-VB
Camera module for GT-DB(-VN)

Audio Module
GT-DBP
Audio panel for GT-DB(-VN)
GT-DB
Audio module W/O NFC reader
GT-DB-VN
Audio module W/NFC reader

Digital name scrolling module
GT-NSP-L
Display module panel
GT-NSB
Digital name scroll display module for GT-DB(-VN)

Specifications (GT-DMB-N)

| Power source | 24V DC, supplied from PS-2420S, PS-2420UL, PS-2420BF, PS-2420DM PS-2420-0 |
| Video monitor | 3.5 inch TFT color LCD |
| Camera | 1/4 inch color CMOS |
| Communication | Open voice hands-free communication |
| Mounting | Flush wall-mount |
| Material | Panel: Stainless steel Case: Self-extinguishing ABS resin |
| IP rating | IP54 |
| IK rating | IK07 |

Specifications (GT-VB, GT-DB, GT-DB-VN)

| Camera | GT-VB: 1/4 inch color CMOS |
| Communication | GT-DB, GT-DB-VN: Open voice hands-free communication |
| Wiring | Two single-pair cable common |
| Type of cable | 2-conductor cable solid copper & non-braided, polyethylene insulation, 0.65mm dia.–1.0mm dia. |
| Mounting | Box and front frame GF-2B, 3B and GT-4B, and GF-2F, 3F and GT-4F |
| Material | GT-VB: Self-extinguishing PC + ABS resin GT-DB, GT-DB-VN: Self-extinguishing ABS resin |

* GT-DB and GT-DB-VN cannot be used in the main sections of a multi building system.

Specifications (GT-NSB)

| Power source | 24V DC, supplied from PS-2420S, PS-2420UL, PS-2420BF, PS-2420DM, PS-2420-0 |
| Material | Self-extinguishing ABS resin |
- 170° angle wide view camera
- Audio & visual guidance to provide visitors status and operation assistance
- Search names and numbers using the keypad
- Custom programmable welcome messages can be displayed
- 9 languages (English, French, German, Spanish, Dutch, Italian, Norwegian, Turkish and Finnish) are available for messages on Guidance display
- 6 languages (English, French, German, Spanish, Dutch and Norwegian) are available for audio guidance
- White light LED illuminates automatically in low-light conditions

Specifications (GT-SW, GT-10K, GT-AD)

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting</td>
<td>Yellow LED</td>
</tr>
<tr>
<td>Material</td>
<td>Self-extinguishing ABS plastic</td>
</tr>
</tbody>
</table>
Video Multi-Tenant System

Unit dimensions

Security camera

You can select one of the cameras placed at the entrance, and monitor the entrance. This allows you to confirm visitors from various angles, thus enabling the prevention of intrusion by suspicious individuals.
### Entrance station components

<table>
<thead>
<tr>
<th>Number of call buttons</th>
<th>4</th>
<th>8</th>
<th>12</th>
<th>16</th>
<th>20</th>
<th>24</th>
<th>25–48</th>
<th>GT-NSB, GT-10K</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) GT-VB &amp; GT-VP</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(2) GT-DB(VN) &amp; GT-DBP</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(3) GT-SW &amp; GF-4P</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(4) GF-3F &amp; GF-3B</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(5) GT-4F &amp; GT-4B</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(6) GT-DB / GT-DB-VN</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(7) GT-DMB-N (with GF-3B)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

(1) Camera (2) Audio (3) Call switch (4) 3-module Front frame (5) 4-module Front frame (6) Option (7) Digital name scroll

* For the GT-SW, only one module can be connected (max. 4 buttons).

### Mounting

1. Tamper-proof screw & screwdriver(supplied with GT-BC) (2) Module-mounting bracket(supplied with GF-3F)
2. Internal wiring connector (4) Joint pipe(x2) (5) Cut out openings in advance.

### Back box

1. One 4-module back box
2. Two 2-module back boxes
3. Three 3-module back boxes
4. Back box total width (mm)

| (1) Joint pipe(x2) | (2) Do not recess back box more than 15mm. |

### Image view area

**WIDE**

- 150cm x 150cm approx. 210cm
- approx. 120cm approx. 90cm

**ZOOM & PanTilt**

- <Up> approx. 220cm approx. 70cm approx. 150cm
- <Center> approx. 180cm approx. 65cm approx. 125cm
- <Down> approx. 150cm approx. 70cm approx. 80cm

- <Left> approx. 140cm approx. 40cm approx. 90cm
- <Center> approx. 150cm approx. 150cm approx. 10cm
- <Right> approx. 140cm approx. 150cm approx. 10cm

### Interconnecting Modules with Plug-in Connectors
Video Multi-Tenant System

Hands-free color display tenant station (7 inch display)

w/ picture memory

GT-1C7W
Color display tenant station

Option
Max. 8 mobile devices can be registered

Intercom App®
AIPHONE GT

Max. 3 additional stations (GT-1C7W or GT-1A or GT-1D) can be connected (total of 4 per one unit number)

*1. The sales area is limited due to regulations. Please contact your AIPHONE distributor for more details.

w/o picture memory

GT-1C7
Color display tenant station

Option
Max. 3 additional audio stations (GT-1A or GT-1D) can be connected (total of 4 per one unit number)

*1. Color display stations cannot be added.

Features (GT-1C7W, GT-1C7)

- Intercom App available (GT-1C7W)
- Video recording from an entrance station (GT-1C7W)
- 7 inch LCD for video monitoring
- Zoom / wide and pan & tilt video monitoring function
- Hands-free communication, auto-voice actuation
- Touch (Push) - to-talk communication is available
- Video image adjusting function
- Monitoring an entrance station
- Lighting control for a call from entrance station
- Releasing door lock
- Guard call
- Auto-entry (Doctor call)

Features (Intercom App®)

- Answer calls from the entrance station anywhere inside or outside your home
- Zoom in and zoom out functions
- View recordings stored in the tenant station
- Releasing door lock
- Control external devices while answering a call

System configuration (Intercom App®)

- Both iOS and Android are available (Free download)

Specifications (GT-1C7W, GT-1C7)

- Power source: GT-1C7W: 24V DC, supplied from PS-2420S/UL/8F/DM/-O
  GT-1C7: 24V DC, supplied from Bus control units, GT-BC & GT-VBC
- Video monitor: GT-1C7W: 7 inch TFT color LCD touch screen
  GT-1C7: 7 inch TFT color LCD
- Wiring: Two common Single–pair cables
- Mounting: Surface wall-mount
- Material: GT-1C7W Unit case: Self-extinguishing PC + ABS resin, Panel: Glass
  GT-1C7 Unit case: Self-extinguishing PC + ABS resin, Panel: PMMA

Unit dimensions

GT-1C7W

GT-1C7
Hands-free color display tenant station (3.5 inch display) w/ picture memory

GT-2C
Color display tenant station

Option
Max. 3 sub color display stations (GT-2H) can be connected (total of 4 per one unit number)

GT-HSA
Handset (GT-HSA) can be connected

GT-2H

Door station for GT-2C

JK-DA
Wide and Zoom & PanTilt video door station, surface mount

GT-D
Audio only door station, surface mount

Functions

Features (GT-2C)
- Video recording from an entrance station or video door station
- Zoom / wide and pan & tilt video monitoring function
- 3.5 inch LCD for operation and video monitoring
- Hands-free communication, auto-voice actuation
- Push-to-talk communication is available
- Video image adjusting function
- Monitoring an entrance station or video door station
- Lighting control for a call from entrance station
- Releasing door lock
- Guard call
- Auto-entry (Doctor call)
- Optional handset for private communication
- Sensors (commercially available) can be connected for security
- Up to 4 color display stations can be linked per Tenant
- Individual Video door station / audio door station can be connected
- Internal call and communication

Specifications (GT-2C, GT-2H)

Power source: GT-2C: 24V DC, supplied from PS-2420S/UL/BF/DM/-O
GT-2H: 24V DC, supplied from GT-2C

Video monitor: 3.5 inch TFT color LCD

Wiring: Two common Single-pair cables

Mounting: Surface wall-mount

Material: Front case: Self-extinguishing ABS plastic
Acrylic panel: Fire-retardant resin

Specifications (JK-DA)

Power source: Supplied from Tenant station

Type of communication: Open voice hands-free communication

Camera: 1/4 inch color CMOS

Minimum illumination: 5 Lux

Camera angle: Wide: 170° (approx.) (Horizontal)

Mounting: Surface wall mount (Directly to wall or electrical box)

Material: Self-extinguishing ABS plastic

Specifications (GT-D)

Power source: Supplied from Tenant station

Type of communication: Open voice hands-free communication

Mounting: Surface wall mount (Directly to wall or electrical box)

Material: Self-extinguishing PC+PS plastic

Unit dimensions

GT-2C, GT-2H

GT-HSA

JK-DA

GT-D
Video Multi-Tenant System

Hands-free color display tenant station (3.5 inch display) w/o picture memory

Features
- 3.5 inch LCD for video monitoring
- Zoom / wide video monitoring function
- Hands-free communication, auto-voice actuation
- Push-to-talk communication is available
- Video image adjusting function
- Monitoring an entrance station
- Lighting control for a call from entrance station
- Releasing door lock
- Guard call
- Auto-entry (Doctor call)

Unit dimensions

Option
Max. 3 additional stations *1 can be connected (total of 4 per one unit number)

Power source 24V DC, supplied from Bus control units, GT-BC & GT-VBC
Video monitor 3.5 inch TFT color LCD
Wiring Two common Single-pair cables
Mounting Surface wall-mount
Material Unit case: Self-extinguishing PC + ABS resin
Panel: Fire-retardant PC

Audio tenant station

Features (GT-1A, GT-1D)
- Lighting control for a call from entrance station
- Releasing door lock
- Guard call
- Auto-entry (Doctor call)

Unit dimensions

Power source 24V DC, supplied from Bus control unit GT-BC
Video monitor 3.5 inch color LCD
Wiring Two common Single-pair cables
Mounting Surface wall-mount
Material Unit case: Self-extinguishing ABS plastic
Panel: Fire-retardant PC

Options
Max. 3 additional stations *1 can be connected (total of 4 per one unit number)

Power source 24V DC, supplied from Bus control unit GT-BC
Video monitor 3.5 inch color LCD
Wiring Two common Single-pair cables
Mounting Surface wall-mount
Material Unit case: Self-extinguishing ABS plastic
Panel: Fire-retardant PC

*1. Max. 1 additional color display station can be installed (GT-1M3). Max. 3 additional audio stations can be installed (GT-1A or GT-1D). If 1 additional color display is installed, max. 2 additional audio stations can be installed.

Specifications (GT-1D)

<table>
<thead>
<tr>
<th>Feature</th>
<th>GT-1D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>24V DC, supplied from Bus control unit GT-BC</td>
</tr>
<tr>
<td>Wiring</td>
<td>Common single-pair cable</td>
</tr>
<tr>
<td>Mounting</td>
<td>Surface wall-mount</td>
</tr>
<tr>
<td>Material</td>
<td>Self-extinguishing ABS plastic</td>
</tr>
</tbody>
</table>

Specifications (GT-1A)

<table>
<thead>
<tr>
<th>Feature</th>
<th>GT-1A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>24V DC, supplied from Bus control unit GT-BC</td>
</tr>
<tr>
<td>Wiring</td>
<td>Common single-pair cable</td>
</tr>
<tr>
<td>Mounting</td>
<td>Surface wall-mount</td>
</tr>
<tr>
<td>Material</td>
<td>Self-extinguishing ABS plastic</td>
</tr>
</tbody>
</table>
Guard station

Features
- Zoom / wide and pan & tilt video monitoring function
- 3.5 inch LCD for operation and video monitoring
- Can be programmed via NFC
- Can connect an individual video door station (JO-DV)
- Call to tenant station
- Digital display shows name of tenant & number
- Entrance station call-ins made to the indoor unit can be automatically forwarded to the guard station. (Reception mode function)
- Absence call-in memory stored with Callback
- Optional doorbell at door with different call tone
- User-optioned device can be controlled with OPTION button, such as light on and off at entry way to elevator
- Receive a Panic call from tenant station

Specifications
- Power source: 24V DC, supplied from PS-2420S, 2420UL, 2420BF, 2420DM, 2420-O
- Video monitor: 3.5 inch TFT color LCD monitor (Up to 32 characters can be registered);
  English, French, German, Spanish, Dutch, Italian, Norwegian, Turkish & Finnish
- Wiring: 2 single-pair cables
- Type of cable: 2-conductor cable solid copper& non-braided, polyethylene insulation, 0.65mm dia.–1.0mm dia.
- Mounting: Surface wall-mount or Desk-top use (with desk-top stand)
- Material: Self-extinguishing ABS resin

Unit dimensions

---

Door station for GT-MKB-N

Features
- Directory card with backlight
- White light LED illuminates the visitor automatically in low-light conditions

Specifications
- Power source: Supplied from Guard station
- Type of communication: Open voice hands-free communication
- Camera: 1/4 inch color CMOS
- Minimum illumination: 5 Lux (approx.)
- Mounting: Surface wall mount (Directly to wall or electrical box)
- Material: Die-cast zinc
- IP rating: IP54
- IK rating: IK08

Image view area
Refer to the descriptions for the image view area. →P.57
Control units

GT-BC
Bus control unit

GT-VBC
Video bus control unit, expander video control

GT-4Z
4-way video junction unit

GT-1Z
Video 1-zone divider

System layout example

Trunk line

Divided cabling with GT-4Z

Divided cabling with GT-1Z

Daisy chain cabling

Do not mix wiring methods within individual trunk lines

Wire type
AIPHONE approved product wire: AE7090220B, AE7090220G or 2-conductor cables solid copper & non-braided, polyethylene insulation, 0.65mm – 1.0mm dia.

Wiring distance

<table>
<thead>
<tr>
<th>Component</th>
<th>Distance (Diameter of wires)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-BC, GT-VBC to Farthest Entrance station</td>
<td>300m (0.8mm)</td>
</tr>
<tr>
<td>GT-BC, GT-VBC to Farthest Video tenant station</td>
<td>150m (0.8mm) Expandable 150m with additional GT-VBC &amp; Power supply</td>
</tr>
<tr>
<td>GT-BC, GT-VBC to Farthest Audio tenant station</td>
<td>300m (0.8mm)</td>
</tr>
<tr>
<td>GT-BC, GT-VBC to each Power supply</td>
<td>5m (0.8mm)</td>
</tr>
<tr>
<td>Accumulated Audio lines (R1, R2) Total wiring distance</td>
<td>2,500m (0.8mm)</td>
</tr>
</tbody>
</table>

Specifications (GT-BC, GT-VBC)

- **Power source**: 24V DC, supplied from, PS-2420S, 2420UL, 2420BF, 2420DM, 2420-0
- **Consumption**: 900mA
- **Wiring**: Common single-pair cable
- **Housing**: Self-extinguishing ABS plastic

Specifications (GT-4Z)

- **Wiring**: Common two single-pair cables
- **Material**: Self-extinguishing ABS plastic

Specifications (GT-1Z)

- **Wiring**: Common single-pair cable
- **Material**: Self-extinguishing ABS plastic

Unit dimensions
Expanded control units

Features
- Expandable to max. 500 Tenant stations, 16 Entrance stations, and 4 Guard stations
- If multi-building control unit (GT-MCX) is used:
  - Max. 500 Tenant stations, 15 Entrance stations and 3 Guard stations.

System layout example

Specifications (GT-BCXB-N, GT-VBX)
- Power source: GT-BCXB-N, 24V DC, supplied from PS-2420DM, PS-2420BF, PS-2420-O
- GT-VBX: Supplied from GT-BCXB-N
- GT-MKB-N: 24V DC, supplied from GT-BCXB-N
- Specifications (PS-2420DM)
  - Input voltage & Capacity: 230V AC, 50/60Hz., 110-240VA
  - Output voltage: 24V DC, 2A

Unit dimensions

GT-BCXB-N

GT-VBX

Option

GT-RY
External signaling relay for entrance light, external buzzer

W-DIN11
DIN mounting rail for GT-BC, GT-VBC, GT-4Z

AE7090220B AE7090220G
Aiphone approved product wire → P.137
Video Multi-Tenant System

Multi-building control unit

GT-MCX
Multi-building control unit

Specifications

- **Power source**: 24V DC, supplied from PS-2420S, 2420UL, 2420BF, 2420DM, 2420-O
- **Wiring**: 4 Single-pair cables CAT5e/6 cable (100BASE-TX)
- **Material**: Self-extinguishing ABS resin

Features

- Multiple tenant buildings and main buildings can be connected via an IP network to create a multi building system for centralized management
- A maximum of 24 tenant buildings and 8 main buildings can be connected
- Multiple tenant buildings can be combined to accommodate large-scale residential buildings with more than 500 units
- Connects buildings together and enables communication

Unit dimensions

GT-MCX

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>108.3</td>
<td>61</td>
</tr>
</tbody>
</table>

Cabling

Tenant building (Standard system)

GT-MCX

Switch

CAT5e/6

GT-MCX

LAN

Switch

CAT5e/6

Main building (Standard system)

Tenant building (Expanded system)

GT-MCX

Switch

CAT5e/6

GT-MCX

LAN

Switch

CAT5e/6

Main building (Expanded system)

Setting

Easy system setting on a PC or Android mobile device

- Settings can be made from a PC or Android mobile device by using GT Setup Tool
- Supported OS: Windows 7, 8.1, 10
- Supported Android OS version: Android 5.0 and greater

*1. For operating systems not listed, please contact your AIPHONE distributor.
*2. Windows is a registered trademark or trademark of Microsoft Corporation in the United States and / or other countries.
*3. Android is a trademark of Google LLC.

Uploading the setting data

Uploading using an Android mobile device for GT-DMB-N, GT-DB-VN, GT-MKB-N, GT-BCXB-N (W/NFC reader)

Connecting a unit to a PC via USB

Uploading using a network connection

GT-MCX

Switch

CAT5e/6

GT-MCX

LAN

Switch

CAT5e/6

GT-MCX

GT-MCX

GT-MCX
Lift control adaptor

**Features**
- Lift is controllable from tenant station while communicating with entrance station.
- When door release button is pressed, electric door strike is activated and simultaneously an output signal is transmitted to the lift controller or the access controller. Access is authorized only to the floor of communicating tenant station.
- Selectable dry contact: Normally Open or Normally Closed
- System setup data is programmable on your PC

* GT-BCXB-N is required to use GTW-LC
* GTW-LC cannot be used in the main buildings of a multi building system

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>Supplied by GT-BC</td>
</tr>
<tr>
<td>Relay</td>
<td>Number of outputs: 20</td>
</tr>
<tr>
<td>Contact rating</td>
<td>24V AC/DC, 0.5A</td>
</tr>
<tr>
<td>Operating time</td>
<td>From 1 to 600 seconds</td>
</tr>
<tr>
<td>Wiring</td>
<td>Single-pair cable</td>
</tr>
<tr>
<td>Material</td>
<td>Self-extinguishing ABS plastic</td>
</tr>
</tbody>
</table>

**Functions**

- Calling & Communication
- Door release
- Control

**Cabling**

- Connection with GTW-LC, Lift control unit
- Access authorised only to the floor of communicated tenant station

**Unit dimensions**

- GTW-LC

**GT Expanded system**

- GT-1C7W
- GT-MKB-N
- GT-BC
- GT-BCXB-N
- GT-DB-VN
- GT-MKB-N
- GT-DMB-N
- GT-MKC-N
- GT-VBC
- GT-VBX

*1. AIPHONE approved product wire: AE7090220B
*2. AIPHONE approved product wire: AE7090220G
Video Multi-Tenant System

Cabling

Standard system

- Capacity
  - 5 Entrance stations
  - 2 Guard stations
  - 48 Tenant stations

- Divided cabling with GT-4Z
- Trunk line No.1

- Divided cabling with GT-1Z
- Trunk line No.2

- Daisy chain cabling
- Trunk line No.3

- Max. 4 internal stations can be linked per Tenant

- Do not mix wiring methods within individual trunk lines

- Cable: 1P x 2, 2-conductor cable solid copper & non-braided, polyethylene insulation
**Wiring**

Divided cabling with GT-4Z
- Trunk line No. 1
- Terminate the last GT-4Z

Divided cabling with GT-1Z
- Trunk line No. 2
- Trunk line No. 3

Daisy chain cabling
- Trunk line No. 4 to 5

Guard station No. 1
- Guard station No. 2

Entrance station No. 1
- Entrance station No. 2
- Entrance station No. 3 to 5

Light control
- Timer
- Orange
- Blue
- Purple

Doorbell
- Orange GT-BY
- Yellow GT-BY
- White GT-BY
- Blue GT-BY

CCTV camera
- GT-DM8-N
- GT-DM8-N

Guard station No. 3
- Guard station No. 4

Power supply
- GT-1Z
- GT-4Z
- GT-1C7W
- GT-MKB-N
- GT-1C7W

AC
- GT-1C7W
- GT-1C7W
- GT-1C7W
- GT-1C7W
- GT-1C7W

**Notes:**
1. AIPHONE approved product wire: AE7090220B
2. AIPHONE approved product wire: AE7090220G
Video Multi-Tenant System

Compatibility
Regarding compatibility between Original GT and New GT models for upgrading and repairing existing GT systems, please contact your local distributor of AIPHONE products.

System Capacity

Single building system

- Ideal for small- and medium-size residential buildings
- Audio only configuration also possible

Maxim capacity

<table>
<thead>
<tr>
<th>Tenant building / section</th>
<th>Standard system</th>
<th>Expanded system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance station</td>
<td>5</td>
<td>16</td>
</tr>
<tr>
<td>Guard station</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Tenant station</td>
<td>481</td>
<td>500</td>
</tr>
</tbody>
</table>

*1. Up to 100 GT-1D audio tenant stations can be connected when configuring a standard audio only system.

Multi building system

- Install one system for housing complexes with multiple buildings
- Cover a building with more than 500 units with one system
- Building management from anywhere via IP network connection
- Audio only configuration for tenant buildings also possible

Maxim capacity (Number of stations are per building / section)

<table>
<thead>
<tr>
<th>Tenant building / section</th>
<th>Standard system</th>
<th>Expanded system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance station</td>
<td>4</td>
<td>15</td>
</tr>
<tr>
<td>Guard station</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Tenant station</td>
<td>481</td>
<td>500</td>
</tr>
</tbody>
</table>

*1. Up to 100 GT-1D audio tenant stations can be connected when configuring a standard audio only system.

Total maximum capacity (Total for tenant building / section and main building / section)

<table>
<thead>
<tr>
<th>Tenant building / section</th>
<th>Main building / section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance station</td>
<td>480</td>
</tr>
<tr>
<td>Guard station</td>
<td>96</td>
</tr>
<tr>
<td>Tenant station</td>
<td>5,000</td>
</tr>
</tbody>
</table>