1. Introduction:

The IP gateway converter is an essential unit for 2-wire IP hybrid network system, for the purpose of a grouped building system for centralized management.

The features are as follows:
• Max.199 gateway are supported in system
• RJ45 LAN ethernet connection
• IP_NODE_ID setting by DIP switches
• Free of PC configuration in regular use
• Diagnose assistance for convenient maintenance
• Working state indicators(on/off line, activity states etc)

IP_NODE_ID is the critical address in 2-wire IP system, instead of traditional IP address configurations. All IP devices in a network system must be set differently.

DIP switches are for IP_NODE_ID address setting by manual, range is limited from 01 to 63. For larger system with more than 63 gateway units, set the DIP switches to 00, and then use configuration software to set IP_NODE_ID from 64 to 199.

Unless modified by means of configuration software, DT-IPG use default IP address settings as:
IP segment: 192.168.243
IP subnet mask: 255.255.255.0
Gateway: 192.168.243.200
IP_NODE_ID will be the IP address last segment number, for example:
If a DT-IPG DIP switches are set to IP_NODE_ID=12, this DT-IPG IP address will be 192.168.243.12.

2. Terminal Description:

Connection Port
RJ45: Network connection terminal.
BUS(IM): Indoor monitor connection terminal.
BUS(DS): Door station connection terminal.

Indicators
The system status can be indicated by LED. Please refer to the followings in detail.

<table>
<thead>
<tr>
<th>Status</th>
<th>LED</th>
<th>Power</th>
<th>In-use</th>
<th>Net</th>
<th>Video</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td></td>
<td>Power</td>
<td>OFF</td>
<td>Idle</td>
<td>No Ethernet</td>
</tr>
<tr>
<td>ON</td>
<td></td>
<td>Power</td>
<td>ON</td>
<td>Talking</td>
<td>Ethernet OK</td>
</tr>
<tr>
<td>Fast Flashing</td>
<td>Device</td>
<td>ERR</td>
<td>OUT-CALL</td>
<td>Caller</td>
<td>—</td>
</tr>
<tr>
<td>Normal Flashing</td>
<td>Boot-</td>
<td>Kernal</td>
<td>IN-CALL</td>
<td>Becalled</td>
<td>—</td>
</tr>
<tr>
<td>Short irregular Flashing</td>
<td>Boot-app</td>
<td>CALL Busy</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Long irregular Flashing</td>
<td>FW update</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

Buttons

We reserve the right to modify the specification in this manual at any time without notice.
3. Mounting:
Step1: Mount the din rail to the wall with screws;
Step2: Pull down the mounting buckle, then hang the unit on din rail.

4. Wiring:

5. Specification:

Power: 2-wire bus (26V, no-polarity)
Consumption current: Standby 70mA, maximum 190mA
LAN Ethernet: 10BASE-T, 100BASE-TX
Audio codec: G.711 (64Kbps)
Video codec: H.264/AVC (VGA, QVGA)
Network Protocol: IPv4, TCP, UDP, RTSP, RTP, RTCP, IGMP, DHCP, NTP
Operating temperature: 0 °C ~ +40 °C
Dimension: 72*90*60mm

6. Warning:
- The unit can only be used in 2-wire products supplied by our company.
- Don't connect the unit with any non-specified power source. Fire or electric shock could result.
- Don't dismantle or alter the unit. Fire or electric shock could result.
- The unit must be installed and wired by a qualified technician.
- Keep the unit away from water or any other liquid. Fire or electric shock could result.