

GE 700



Digital Intercom Server GE 700

Both the hardware and the software concept of the GE 700 Intercom Servers incorporates state-of-the-art technology. All digital, based on standard SMD components and with distributed intelligence the GE 700 Intercom Server administers up to 48 Intercom terminals. Interaction of all the peripheral devices and cards is controlled by a central processing unit. Each plug-in card or interface has its own

front-end processor for controlling its particular features and facilities.

The operating system of the GE 700 is programmed using the latest, object-orientated software. This means that all present and future requirements in the fields of Intercom systems, security systems, facilities management, etc. can be met - fully and digitally.

GE 700

Basic central unit including transformer for power supply, with bus pcb for 17 plug-in slots: processor card, connection card, power supply card, slot 1 to 12 for subscriber cards (1 to 48 subscribers) and/or interface cards, slot A and B for interface cards only. The basic central unit includes an AF input for music/alarm, 2 inputs for floating contacts, 2 relay outputs and a socket for (remote) programming or maintenance.



SECURITY AND COMMUNICATION

Technical Data – Benefits

TECHNICAL DATA

AC power supply:	24 V +/- 5% / 80 VA
DC power supply:	24 - 35 V / 80 W
Emergency power consumption:	340 mAh/h for G7-GEN, 2 x G7-GEV, 2 x G7-GEP, GEB700-2 - other cards see corresponding data sheet
Frequency range:	analogue: internal 300 – 16,000 Hz digital: 200 - 7,000 Hz
Distortion:	less than 0.9%
Operating temperature range:	0° C to +50° C (32° F to 122° F)
Storage temperature range:	-30° C to +60° C (-22° F to 140° F)
Relative humidity:	20% to 80%
Measurements of the housing:	483 x 133 x 229 mm (19.03 x 5.24 x 9.02 inch)
Weight including package:	3,650 g (12.79 lbs)
Mounting:	19" , 3 HU
Relay outputs:	max. switching capacity: 60 W / 125 VA, max. switching current: 2A max. switching voltage: 60 VDC / 40 VAC
Music input:	max. 800 mV at 600 Ohm
Inputs IN1, IN2:	for floating contacts, max. line resistance: 1.5 kOhm

EXPANSION

	Subscriber:	Outputs:	Inputs:
Basic expansion:	0	2	2
Maximum expansion per central housing:	48*	130*	130*
Maximum expansion (120 GE700 or 60 GE700-2)	5760*	1000*	1000*

* Details see "Plug-in Position of the Cards" at page 7

BENEFITS

- Digital intercom server for global intercom systems (voice, video, indication and control).
- The central housing and connecting technology is specially designed to the requirements of 19" racks.
- Subscriber cards for up to 96 IP-stations in only one 3 HU housing.
- Utilisation of virtual inputs and outputs, in combination with 2-wire or 4-wire stations without loss of plug-in slots.
- Integration of other systems via V24 interfaces with own protocol converter.
- Latest intercom technology: microprocessor-controlled, high density design, SMD production, object-orientated programming.
- For all kinds of intercom stations (IP, 2-wire and 4-wire).
- Digital networking over IP, 2-wire lines, E1 or ISDN.
- Integrated functions for door/gate control, alarms, conferences and central control desks.
- Plug&Play video integration.
- Expandable from 4 to max. 5,760 subscribers without restrictions.
- User-friendly programming with PC software.
- Remote programming via modem.

EXTENT OF SUPPLY

- 1 central GE 700 in basic expansion, including:
- NA 700 19" housing (3 height units)
 - G7-GEB bus pcb (for 17 plug-in slots)
 - G7-GEN power supply card (incl. installation board GEAN 700R)
 - G7-GEP processor card
 - G7-GEV connection card (incl. installation board GEAC 700, 1m / 3.3ft cable)
 - PA 700 transformer incl. mounting set for DIN rail (TS 35)
 - Tool for removing of installation boards
 - CD "Software & Manuals"

