

Control Unit

IDT 32



The IDT 32 is a modern high-end control centre with wide-ranging application in the areas of alarm monitoring, fire detection and video surveillance. Through its modular construction, the best, bespoke, Plug-&-Play customer solutions can be created, using the up to 21-slot units. With its high-performance security system the IDT 32 family leaves nothing to chance.

The core of this system is a 32 bit, high-performance CPU with Cold Fire processor technology and 12 MB SRAM with dynamic memory management.

The system can handle wide-ranging logic functions. Up to 100 command structures, each with up to 64 Kb of parameters can be stored in the IDT 32 memory. As a result, the IDT 32 can be used as a freely programmable controller. States and events from a further IDT 32 can also be included in the logic. Data exchange is done through direct intercommunication between the IDT 32s, without routing through the server. The result is a very secure system.

Expansions up to 60 MB to handle 1,000,000 credential records with almost 1,000,000 offline transactions are available.

Alongside the CPU, you can select all commonly used communication systems from the extensive range of modular plug-in cards, e.g. 100 MBit Ethernet, analogue, ISDN and GSM modems. To complete the picture, you can then configure tailored solutions from a further range of plug-in cards with digital inputs, door opener relays, alarm relays or output relays. Monitored line cards are also available as an option.

With the modern, high-end IDT 32 control centre, you can integrate and control inputs and outputs for up to 32 doors, readers and / or keypads as well as further security technology systems. Up to 4 buses can be run in parallel using RS485 bus technology. The IDT 32 supports the pkt technology.

Later expansions or updates can quickly and easily be added through the modular plug-in technology used.

Thanks to the three different basic units, the system is individually configurable for all different sizes of organisation and customer requirements.

Control Unit

IDT 32

Features

- 32 Bit CPU
- Up to 30,000 zones (access profiles)
- Acoustic fault identification
- RS485 and modem interfaces possible
- Up to 4 RS485 buses in parallel
- Service-friendly RJ45 connection technology
- Downloadable operating system
- Modular expansion through Plug-&-Play system expansion cards
- High levels of data security through 3DES encryption with TCP/IP
- Up to 32 doors, readers, keypads and 2 cameras can be connected
- Up to 4 Master readers can be connected
- Max. 100 FSMs, each with up to 64 KB parameters
- Host communication over Ethernet and modem on a TCP/IP basis
- Autonomous battery power supply as an option
- Can be used with prime WebSystems

Technical data

19" Basic unit I

Colour	Aluminium
Dimensions (W x H x D)	154 mm x 132 mm x 214 mm
Weight	Approx. 1.5 kg (Basic unit I, without plug-in cards)
Protection class	IP20
Ambient temperature	Approx. +5° to +50° C
Relative humidity (without condensation)	max. 95 %

19" Basic unit II

Technical data as 19" basic unit I, see above, except

Dimensions (W x H x D)	482 mm x 132 mm x 214 mm
Weight	Approx. 2.0 kg, Patch panel approx. 1.9 kg (Basic unit II, without plug-in cards)

Basic unit III

Power consumption	min. / max. 0.3 W / 40 W
Integrated power supply	230 VAC, with connection for one 12 V / 7.2 Ah battery (without battery monitoring)
Colour	Light grey RAL 7035
Built into a sheet steel housing (W x H x D)	360 mm x 370 mm x 137 mm
Protection class	IP20
Ambient temperature	Approx. +5° to +50° C
Relative humidity (without condensation)	max. 95 %

Control Unit

IDT 32



Basic unit III (wall-mounting housing) without plug-in cards



Example of basic unit I



Example of 19" version, fully populated, basic unit II



Basic unit III, with wall-mounting housing, fully populated



Extensive range of modular plug-in cards

Ordering Information

Basic unit

I301-003.01	IDT 32 access control unit: 19" basic unit I / 1 5 plug-in positions / 20 HP - 1 CPU plug-in slot - 1 Communication slot (COM) - 3 Slave plug-in slots - Additional connection options for a VdS or lo-cost power supply
I301-004.01	IDT 32 access control unit: 19" basic unit I / 2 5 plug-in positions / 20 HP - 1 CPU plug-in slot - 2 Communication slots (COM) - 2 Slave plug-in slots - Additional connection options for a VdS or lo-cost power supply
I301-005.01	IDT 32 access control unit: 19" basic unit I / 3 5 plug-in positions / 20 HP - 1 CPU plug-in slot - 4 Slave plug-in slots - Additional connection options for a VdS or lo-cost power supply
I302-000.01	IDT 32 access control unit: 19" basic unit II 21 plug-in positions / 84 HP - 1 CPU plug-in slot - 2 Communication slots (COM) - 2 Power supply plug-in slots - 16 Slave plug-in slots
I303-000.01	IDT 32 access control unit: Basic unit III / 1 5 plug-in slots: 1 COM, 1 CPU and 3 slave slots - Integrated power supply, 230 VAC, with connection for one 12 V / 7.2 Ah battery - Incl. 4 x 25 cm patch cables
I303-001.01	IDT 32 access control unit: Basic unit III / 2 5 plug-in slots: 1 COM, 2 CPU and 2 slave slots - Integrated power supply, 230 VAC, with connection for one 12 V / 7.2 Ah battery - Incl. 4 x 25 cm patch cables
I303-002.01	IDT 32 access control unit: Basic unit III / 3 5 plug-in slots: 1 CPU, 4 slave slots - Integrated power supply, 230 VAC, with connection for one 12 V / 7.2 Ah battery - Incl. 4 x 25 cm patch cables

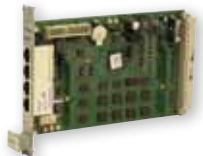
Ordering Information (cont.)

Basic unit with VdS power supply

I307-000.01	IDT 32 access control unit: Basic unit III / 1 5 plug-in slots: 1 COM, 1 CPU and 3 slave slots - Integrated power supply, 230 VAC, with connection for one 12 V / 7.2 Ah battery - Incl. 4 x 25 cm patch cables
I307-001.01	IDT 32 access control unit: Basic unit III / 2 5 plug-in slots: 1 COM, 2 CPU and 2 slave slots - Integrated power supply, 230 VAC, with connection for one 12 V / 7.2 Ah battery - Incl. 4 x 25 cm patch cables
I307-002.01	IDT 32 access control unit: Basic unit III / 3 5 plug-in slots: 1 CPU, 4 slave slots - Integrated power supply, 230 VAC, with connection for one 12 V / 7.2 Ah battery - Incl. 4 x 25 cm patch cables

CPU cards and memory expansions

I300-251.01	CPU 3202: CPU plug-in card, 32 bit Power CPU with 100 MBit Ethernet interface - 32 bit micro-processor with Cold Fire processor technology - 12 MB SRAM - Dynamic memory management - Up to 200,000 credential records and at least 160,000 offline events (with 2,000 credential records -> 320,000 offline transactions) - Up to 30,000 zones (access profiles) - RS485 interface, for max. 4 x pkt master readers - RS232 interface - 100 Mb Ethernet interface - Power consumption 150 mA
I300-100.01	Memory expansion for CPU 3202 from 12 MB to 24 MB At this expansion level, a standard configuration with 1,000 credential records has memory for > 650,000 offline events (with 100,000 credential records, approx. 550,000 offline events)
I300-101.01	Memory expansion for CPU 3202 from 24 MB to 36 MB At this expansion level, a standard configuration with 1,000 credential records has memory for > 1,000,000 offline events (with 100,000 credential records, approx. 900,000 offline events)



Plug in card:
CPU 3202

Control Unit

IDT 32



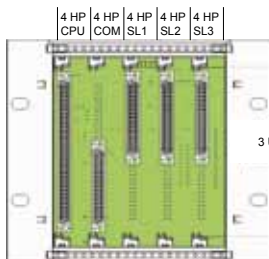
I300-103.01

Ordering Information (cont.)

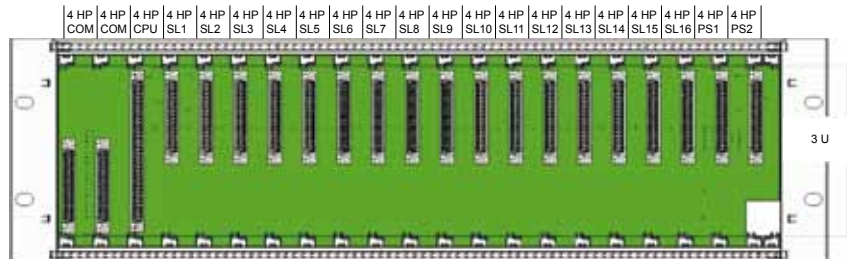
I300-102.01	Memory expansion for CPU 3202 from 36 MB to 48 MB At this expansion level, a standard configuration with 1,000 credential records has memory for > 1,400,000 offline events (with 100,000 credential records, approx. 1,300,000 offline events)
I300-103.01	Memory expansion for CPU 3202 from 48 MB to 60 MB At this expansion level, a standard configuration with 1,000 credential records has memory for > 1,700,000 offline events (with 100,000 credential records, approx. 1,600,000 offline events)

HP and U (Horizontal pitch and Units)

1 x HP = 5.08 mm (0.20") / 1 x U = 44.45 mm (1.75")



19" Basic unit I



19" Basic unit II



Plug-in card:
4 x RS485



Plug-in card: Switch

Ordering Information (cont.)

Communication expansion plug-in cards

I300-207.01	Plug-in card: 4 x RS485 interface card - 4 x RS485 interfaces, switchable between full and half duplex - Power consumption 20 - 300 mA (max)
I300-302.01	Plug-in card: Switch: 4 x 10 / 100 MBit Ethernet ports - 4 RJ45, 10 / 100 MB Ethernet-Ports - Power consumption 90 mA
I300-301.01	Plug-in card: Modem; Modem carrier plug-in card for 2 modems - 2 x Modem plug-in positions - 1 x RS232 interface (RJ45) - Power consumption 90 mA + modems



Modem for the modem carrier plug-in card:
GSM modem



Plug-in card: R2D2



Plug-in card: I808



Plug-in card: M808



Plug-in card: PRA



Plug-in card: MS64

Ordering Information (cont.)

F623-000.01	Modem for the modem carrier plug-in card: Analogue modem - Suitable for modem carrier plug-in card - max. 2 modems per card
F624-000.01	Modem for the modem carrier plug-in card: ISDN modem - Suitable for modem carrier plug-in card - max. 2 modems per card
F625-000.01	Modem for the modem carrier plug-in card: GSM modem (Class 10 modem) - Suitable for modem carrier plug-in card - max. 1 modem per card

Slave slot expansion plug-in cards

I300-201.01	Plug-in card: R2D2, inputs for 2 clock / data readers - 2 x Door opener relays - 2 x Alarm relays - 2 x REx inputs - 2 x Door monitoring status contact inputs - Power consumption 160 mA
I300-203.01	Plug-in card: I808, 8-way input / output card (digital) - 8 x Relay outputs - 8 x Digital inputs - Power consumption 150 mA
I300-204.01	Plug-in card: M808, 8-way input / output card (analogue) - 8 x Relay outputs - 8 x Monitored line inputs (4 states with delete function) - Power consumption 150 mA / 680 mA
I300-205.01	Plug-in card: PRA; Power relay adapter - 3 x Relays, each with 48 V / 4A (RJ45 output) - Power consumption, max. 65 mA
I300-206.01	Plug-in card: MS64, 16 monitored lines (up to 4 detectors / line; analogue) - 16 monitored lines with individual detector identification (64 alarm detectors) - Power consumption 50 mA
I300-208.01	Plug-in card: MB1M, Detector bus card, 2 lines, each with 63 detectors - Bus 1 compatible - Power consumption, 40 mA to 1 A (max)

Control Unit

IDT 32



IDT 32 expansion:
19" Power supply

Ordering Information (cont.)

Power supply adapters for PS (Power supply) or slave slots

I300-501.01	Plug-in card: Power supply adapter I; input for 9 VAC / DC 1.5 A - Power supplies can be switched in parallel - Power supply unit Z080-130.01 is required
I300-502.01	Plug-in card: Power supply adapter I-N with backup power; input for 9 VAC / 12 VDC 1.8 A - Backup power 1.35 Ah (incl. rechargeable battery) - Power supplies can be switched in parallel - Power supply unit Z080-130.01 is required
I300-503.01	Plug-in card: Power supply adapter II; input for 12 VDC / 4 A input on each RJ45 socket - 4 x RJ45 - Power supplies can be switched in parallel - External power supply unit is required for the power supply.
I300-505.01	Plug-in card: Power supply adapter III; 4 low-voltage sockets - 12 VDC / 4 A input on each socket - 4 x Low voltage sockets - Power supplies can be switched in parallel - Power supply unit Z080-140.01 is required

Power supplies

I300-504.01	IDT 32 expansion: 19" power supply: input 230 VAC; output 12 VDC / 6 A - Occupies 2 power supply (PS) and 9 slave slots (44 HP) - 230 VAC input - 12 VDC / 6 A output (switchable to 24 V / 1 A) - 4 x RJ45 - With battery connection, up to 24 Ah, e.g. Battery Z070-070.01
Z080-130.01	Plug-in power supply with connection cable for IDT 32; power supply I - Output: 12 VDC / 2 A - Input: 90 -264 VAC
Z080-140.01	Plug-in power supply with connection cable for IDT 32; power supply II - Output: 12 VDC / 5.5 A - Input: 90 -264 VAC

Control Unit

IDT 32

Ordering Information (cont.)

Batteries

Z070-010.01	12 V 7.2 Ah battery - For basic unit III (Part nos.: I303-000.01, I303-001.01, I303-002.01) - For backup power
Z070-070.01	12 V 24 Ah battery - For power supply I300-504.01
Z070-080.01	12 V 1.35 Ah battery - For use with power supply adapter I-N (part no. I300-502.01)

Accessories / Installation material

Z030-100.01	Housing for basic unit II (19" rack mounting)
Z090-350.01	34-pin connection block - Including fixing material and 4 patch cables (35 cm) - For installation in Basic unit III. Up to 2 can be fitted.
Z090-290.01	19" Patch field 1 HU / 84 RU - Approx. 1.9 kg
Z090-301.01	Patch cable - Length approx. 25 cm - Packing unit 5 pieces
Z090-302.01	Patch cable - Length approx. 35 cm - Packing unit 5 pieces
Z090-303.01	Patch cable - Length approx. 50 cm - Packing unit 5 pieces
Z140-440.01	Service cable for connecting PC (RS232) → device (RJ45)
Z200-001.01	Blanking plates for IDT 32 slots - Packing unit 5 pieces - Recommended for use with basic unit II to mask off unused slots



primion Technology AG
Steinbeisstrasse 2-5
72510 Stetten am kalten Markt,
Germany
Phone: +49 75 73 / 9 52-0
Fax: +49 75 73 / 9 20 34
info@primion.de
www.primion.eu

VdS approval applied for