

Controller @C550

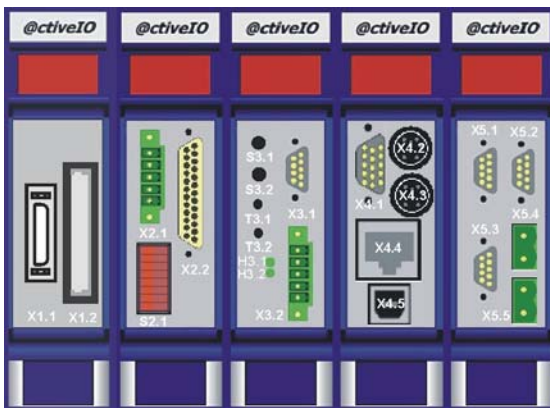
CPU



- PC-compatible processor unit
- Pentium III 700MHz CPU
- Fieldbus: Profibus-DP Master
- Compact Flash Adapter

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Pinout



From Left to Right:

Front		
1	X1.1	n.c.
	X1.2	Compact Flash Adapter
2	X2.1	Reserved
	X2.2	LPT1
	S2.1	Reserved
3	X3.1	COM2 (Mouse serial)
	X3.2	Power +24VDC (see notes)
	S2.1	Reserved
	S2.2	Reserved
	T2.1	Reserved
	T2.2	Reserved
	H3.1	Power on X3.2 Pin 2
H3.2	Power on X3.2 Pin 3	
4	X4.1	VGA
	X4.2	Keyboard
	X4.3	COM1
	X4.4	100Mbit Ethernet
	X4.5	n.c.
5	X5.1	RS232 Fieldbus 1 Profibus DP
	X5.2	Fieldbus 1 Profibus DP
	X5.3	n.c.
	X5.4	n.c.
	X5.5	n.c.

Attributes

@C550 is an PC compatible processor-unit of the @ctiveIO system.

Feature: external cooling element and ventilator

Configuration:

housing : deep(see drawing)
 housing length : short(see drawing)
 CPU-Performance :Pentium III 700MHz
 RAM 64MB SDRAM
 Fieldbus : Profibus-DP Master,
 Interfaces : PC-interfaces
 PC104 – plug-in stacks:single
 UPS :optional
 Data medium : Compact Flash
 Harddrive shock and vibration protected *)

@ctiveIO-BUS:

@C550 supports all modules of @ctiveIO-Line.

Additional System functions

- Hardware supervisor system:
- temperature control
 - power control
 - hardware watchdog *)
 - power fail system *)
 - supports UPS

*) on Request

Electrical Data

Power supply external..... +24V ± 20%, see notes
 Operating Current 1.2A / +24VDC
 Fuse electronic

Controller @C550

System Information

System IDdependent on application

Environmental Conditions

EMCEN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature [°C]+5 .. +40
Storage temperature [°C]-20 .. +70
Humidity (rel)98 % (non condensing)
* Protection class.....IP 20 (DIN 40 050)
* The protection class is valid only with housing and connector installed

Mechanical Data

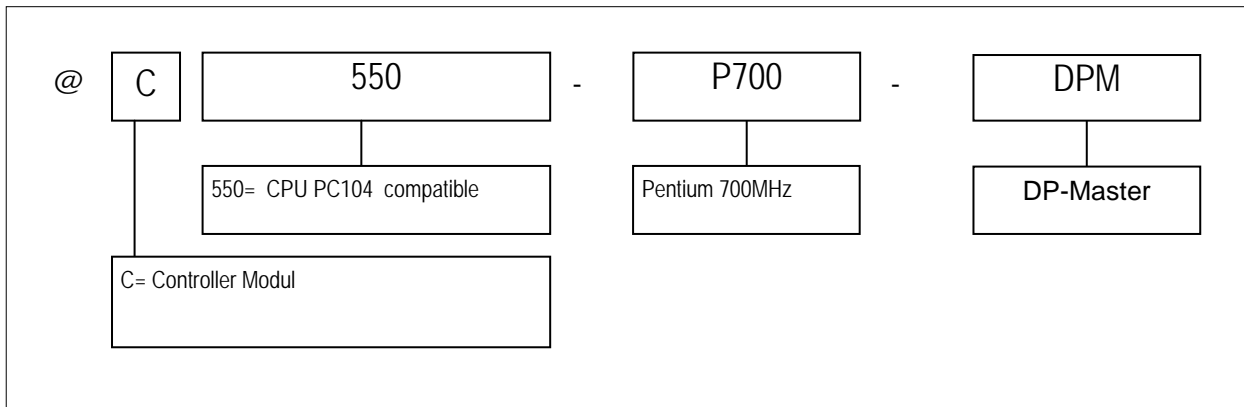
Weight2.7kg
.....With UPS approx. 3.2 kg, deep, short housing
Dimension see appendix (Drawing)

Mechanical Data

**Four Controller variants in different length and housing are available:
PC104 System with flat / deep housing and short / long length**

Controller	Housing
@C500	flat / short PC104 system Dimension: 100,5 / 175
@C520	flat / long 2 x PC 104 system Dimension: 100,5 / 280
@C550	deep / short PC 104 system Dimension: 142,7 / 175
@C570	deep / long 2 x PC 104 system Dimension: 142,7 / 280

Ordering Key

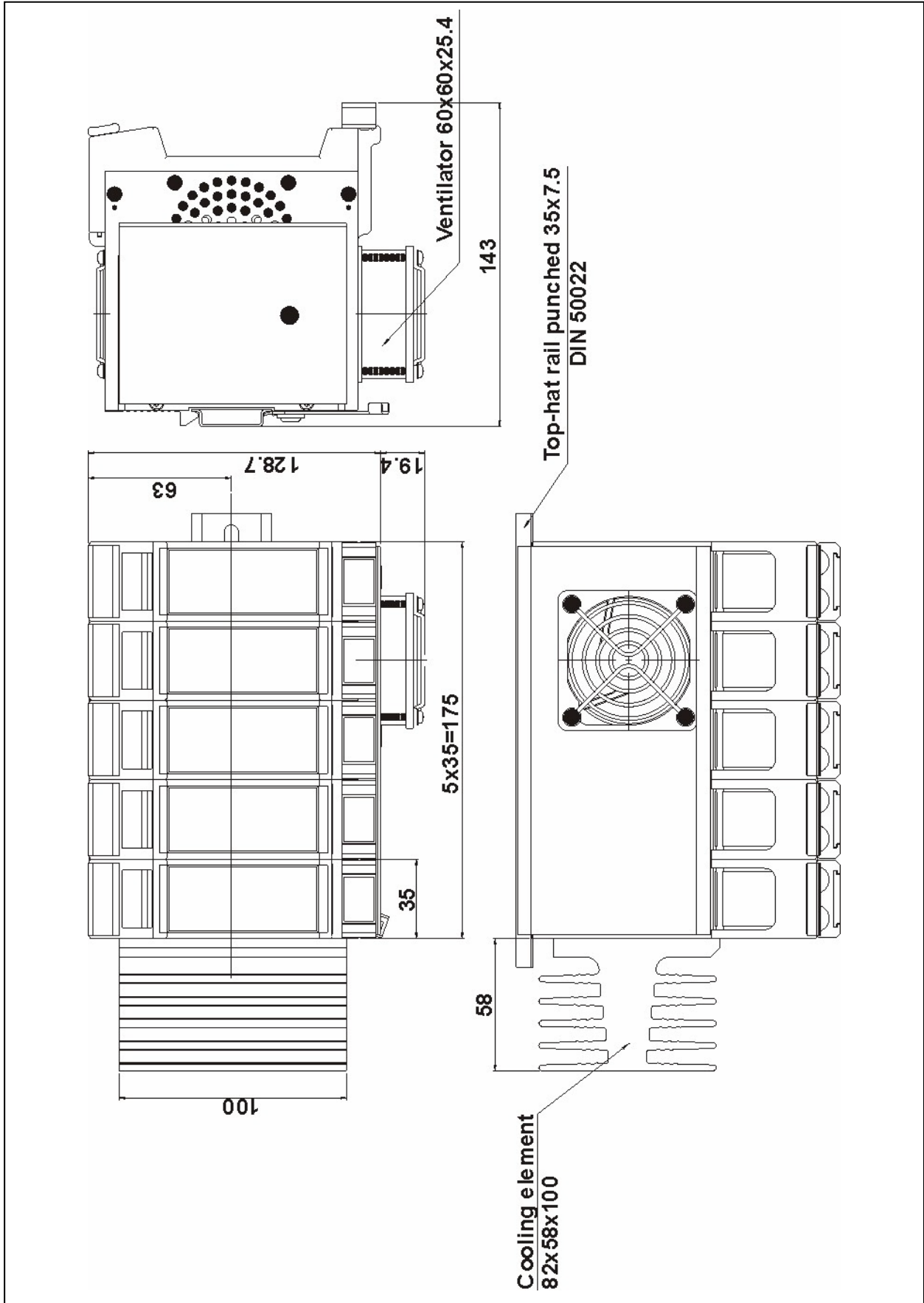


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Drawing

CPU

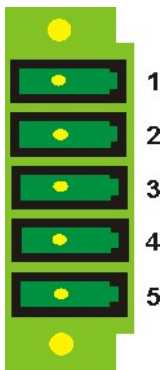
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notes:

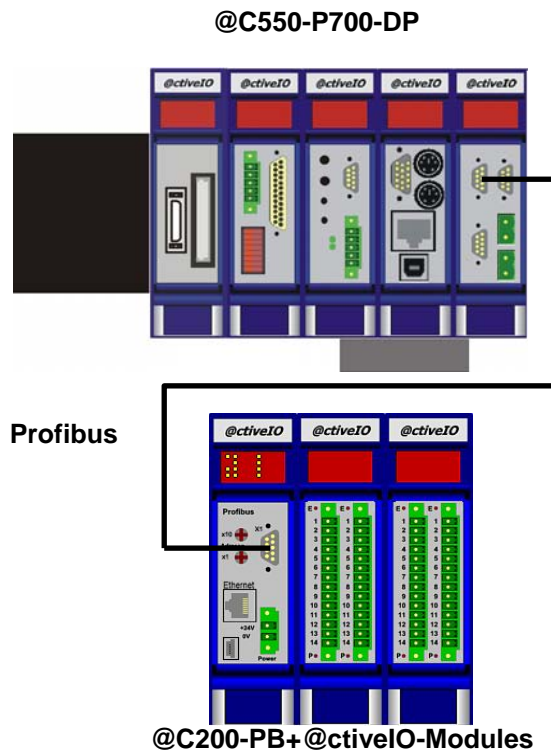
Pin out for connector X3.2

Top view	PIN	Decription
	1	n.c.
	2	+24VDC (LED H3.1)
	3	+24VDC (LED H3.2)
	4	GND
	5	GND

Caution:

If using interface moduls of type @5xxx power 0V of the has to be directly connected with power 0V of the @5xxx-modul and power 0V of the interface partner of the @5xxx-modul.

Example of Application:



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