

UNIGYR®

## Product range overview

## UNIGYR

This overview describes the UNIGYR devices product range in the form of a list and graphical illustrations. This data sheet contains information on the current state and scope of UNIGYR version 7. The earlier system versions 6 and 5 have also been illustrated. The most important new features and enhancements of version 7 are:

- UNIGYR runs under Windows 95/NT including tools such as UNIGYR Design and UNIGYR Insight
- New PROFIBUS cards as PC communication cards; a PCI card for desktops and a PC card (PCMCIA) for notebooks
- Integration of DESIGO RX controllers representing the new product range for individual room control

### Universal process units

PRU2... (PRV2...)	Units	Type	Data sheet
Process units	Universal process unit without P-bus	<b>PRV2.00</b> *	8212
	Universal process unit for max. 32 load units	<b>PRV2.32</b> *	8212
	Universal process unit for max. 64 load units	<b>PRV2.64</b> *	8212
	Universal process unit for max. 128 load units	<b>PRV2.128</b> *	8212
	Base plate for wall mounting	<b>PRM1.1W</b>	8212
<i>Note</i>	* The type designation PRV2.... is for ordering only, otherwise the UNIGYR market name PRU2... is used throughout the documentation.		
Program card	Card with function library for process unit	<b>PAA2.4HVA-...</b> *	8263
<i>Note</i>	* The complete type number comprises the system version for ordering, e.g. <b>PAA2.4HVA-070</b> for version 7. This applies to all program cards in this product range overview.		
Communication cards	Card with one connection each for BLN and FLN bus and connections for peripherals (modem, printer)	<b>PEC1.1UFPT</b>	8275
	Card with connection for FLN bus and connections for peripherals (modem, printer)	<b>PEC1.2FPT</b>	8275

<b>PRU10.64</b>	Units	Type	Data sheet
Process unit	Universal process unit for max. 64 load units with P-bus, and for use as a BLN station <b>or</b> a FLN master unit	<b>PRU10.64</b>	8211
Program module	Program module with 80KB configuration memory and 45KB recording data storage	<b>PAA10.02-...</b>	8264
	Program module with 80KB configuration memory and 300KB recording data storage	<b>PAA10.03-...</b>	8264
Communication module	Communication module for BLN <b>or</b> FLN and NIDES resp.	<b>PAC10.1U/F</b>	8274
	Communication module for BLN <b>or</b> FLN and NIDES resp., with connection for modem or printer	<b>PAC10.2U/FP/T</b>	8274

## Standard process units

### PRS10.82

Process unit	Standard process unit with integrated I/O interfaces, optimised for heating and district heat applications, and for use as a BLN station <b>or</b> a FLN master unit	<b>PRS10.82</b>	8226
Program module	Program module with 80KB configuration memory and with 45KB recording data storage	<b>PAA10.02-...</b>	8264
	Program module with 80KB configuration memory and with 300KB recording data storage	<b>PAA10.03-...</b>	8264
Communication module	Communication module for BLN or FLN and NIDES.RX resp.	<b>PAC10.1U/F</b>	8274
	Communication module for BLN or FLN and NIDES.RX resp. with connection for modem or printer	<b>PAC10.2U/FP/T</b>	8274
P-bus expander	For expanding the PRS10.82 process unit with up to two external I/O modules via its internal P-bus	<b>PTX1.082</b>	8107

### RWP80

Process unit	Standard process unit with P-bus, for use as an FLN slave or stand-alone unit	<b>RWP80.001</b>	8221
Program module	Program module with 32KB configuration memory (V5)	<b>AZA80.01</b>	8262
	Program module with 64KB configuration memory (V5)	<b>AZA80.02</b>	8262
	Program module with 32KB configuration memory (Vx)	<b>AZA80.01-...</b>	8262
	Program module with 64KB configuration memory (Vx)	<b>AZA80.02-...</b>	8262
Communication module	Communication module for FLN bus	<b>AZC80.10</b>	8272

### RWM82

Process unit	Standard process unit with integrated I/O interfaces, optimised for heating and district heating applications, for use as an FLN slave or stand-alone unit	<b>RWM82.001</b>	8225
Program module	Program module with 32KB configuration memory	<b>AZA80.01-...</b>	8262
	Program module with 64KB configuration memory	<b>AZA80.02-...</b>	8262
Communication module	Communication module for FLN bus	<b>AZC80.10</b>	8272
P-bus expander	For expansion using external I/O modules via the internal P-bus of the RWM82	<b>PTX1.082</b>	8107

<b>Service and diagnosis</b>	Units	Type	Data sheet
<i>Note</i>	The following can be used for all previous process units. Refer to the respective data sheets on the process units for applications and descriptions.		
Service set	Service card and service instructions <ul style="list-style-type: none"> <li>• in German</li> <li>• in English</li> </ul>	<b>PWP1.9DE</b> <b>PWP1.9EN</b>	
Service and diagnostic cards	Card sets with operating card holder <ul style="list-style-type: none"> <li>• in German</li> <li>• in English</li> </ul>	<b>PUP3.CDE</b> <b>PUP3.CEN</b>	
Service and diagnostic instructions	Binder handbook, A5 format <ul style="list-style-type: none"> <li>• in German</li> <li>• in English</li> </ul>		B8205D B8205E
Pre-printed operating cards	Pre-printed operating cards(paper) Pre-printed operating cards (plastic) Operating card holder	<b>PUP1.10</b> <b>PUP2.10</b> <b>PUP1.20</b>	
<b>Further units on the FLN bus</b>			
Controllers	AEROGYR controller for central air handling, single-speed fans	<b>RWI65.01</b>	3205
	AEROGYR controller for central air handling, two-speed fans	<b>RWI65.02</b>	3204
	Communication module for FLN connection	<b>AZI65.1</b>	3206
Terminal Equipment Controllers	TECs for individual room control	<b>RCE91.1</b> <b>RCE92.1</b> <b>RCE93.1</b>	3621 3622 3623
<b>DESIGO RX units</b>			
LON/LonMARK Interface	For integration of RX units via FLN connection	<b>NIDES.RX</b>	3299
Regulation and control units	Room controllers for fan coil units, radiators and chilled ceilings	<b>RXC20.1</b> <b>RXC21.1</b>	3834 3834
	Room controllers for radiators and chilled ceilings, with lighting and blinds control	<b>RXC30.1</b>	3840
	Extension module to RXC30.1 for lighting and blinds control	<b>RXC4...</b>	384..
Room operation	Flexible room unit with LONMARK-standardised bus communication	<b>QAX5...</b>	1648
	Room units with PPS2 interface	<b>QAX3...</b> <b>QAX3...</b>	164.. 1741
<b>P-bus units</b>			
I/O modules	Refer to "I/O Module Summary" for an overview		8100
	For individual descriptions, see the following data sheets:		
	Signalling modules	<b>PTM1...</b>	8111
	Measured value modules	<b>PTM1...</b>	
	Counting modules	<b>PTM1...</b>	to
	Switching modules	<b>PTM1...</b>	
	Positioning modules	<b>PTM1...</b>	8171

I/O compact units	I/O compact units with several basic functions	<b>PTK1...</b>	818..
Interface modules	Interface modules to connect units with manufacturer's own bus	<b>PTM5...</b>	866..
I/O module accessories	Refer to "I/O Module Summary" for an overview		8105
Status display unit	Status display unit to connect process units such as e.g. PRU2 (PRV2), PRU10.64, RWP 80 to the P-bus.	<b>PHM1.36TL</b>	8917

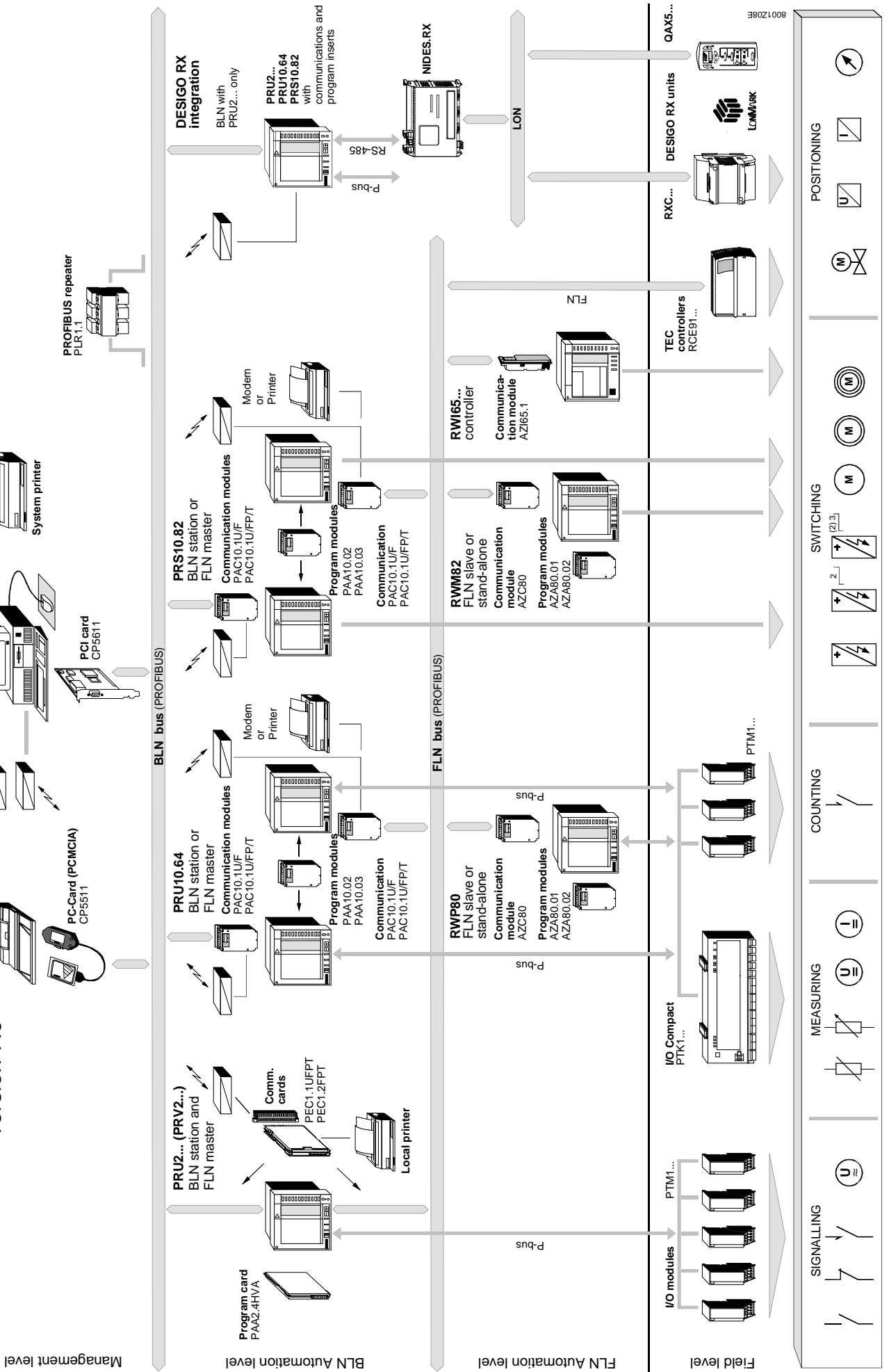
## Communication equipment

Units	Type	Data sheet	
PROFIBUS PC communication cards	PROFIBUS card with PCI interface to connect a desktop PC via BLN bus for "UNIGYR-Insight"	<b>CP5611</b>	8554
	PROFIBUS card with PC card interface (PCMCIA) to connect a notebook PC via BLN bus for "UNIGYR-Insight"	<b>CP5511</b>	8554
	PROFIBUS card with ISA interface to connect a desktop PC via BLN bus for "UNIGYR Insight", and with modem interface	<b>PLU1.AT01</b>	8555
	Additional card for PLU1.AT01 with second modem interface in case of several telephone segments	<b>PLU1.AT01-2M</b>	8555
PROFIBUS repeater	PROFIBUS repeaters for expanded and/or branched BLN and FLN networks	<b>PLR1.1</b>	8923
Bus and communication accessories	Refer to the overview in data sheet "Bus and Communication Accessories" for accessory applications and descriptions		8961
	PROFIBUS terminator for BLN networks	<b>PUR1.1U</b>	
	PROFIBUS terminator for FLN networks	<b>PFL1.1</b>	
	PROFIBUS connecting socket	<b>PLU1.X01</b>	
	PROFIBUS connecting cable	<b>PLU1.W5</b>	
	Tool cable for regulation and process units (except PRU1)	<b>PRW1.7U28</b>	
	Tool adapter for tool cable PRW1.7U28U. for process units	<b>PRW1.0U28</b>	
	Modem cable for PC PLU1.AT communication card	<b>LVE1.2009</b>	

## UNIGYR software

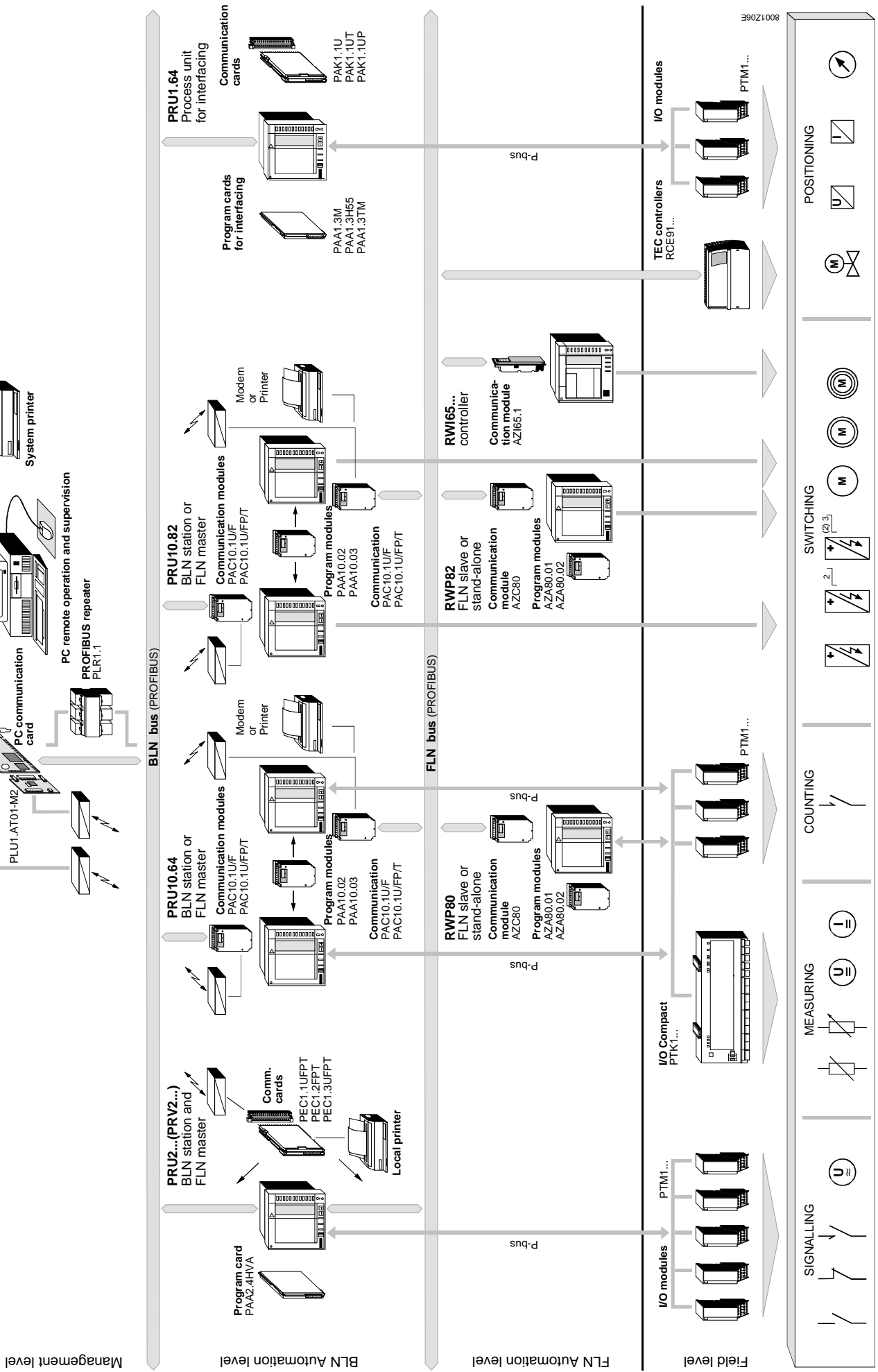
UNIGYR Insight	<b>PPU...01F01...</b>
UNIGYR Insight Light (complete type number including version and language, e.g. <b>PPU0701F01E</b> )	<b>PPL...01F01...</b>
Insight manual (V6), in German	<b>CM2B8516D</b>
Insight manual (V6), in English	<b>CM2B8516E</b>
Insight manual (V7), in German	<b>CM2B8517D</b>
Insight manual (V7), in English	<b>CM2B8517E</b>

# UNIGYR® system architecture version 7.0

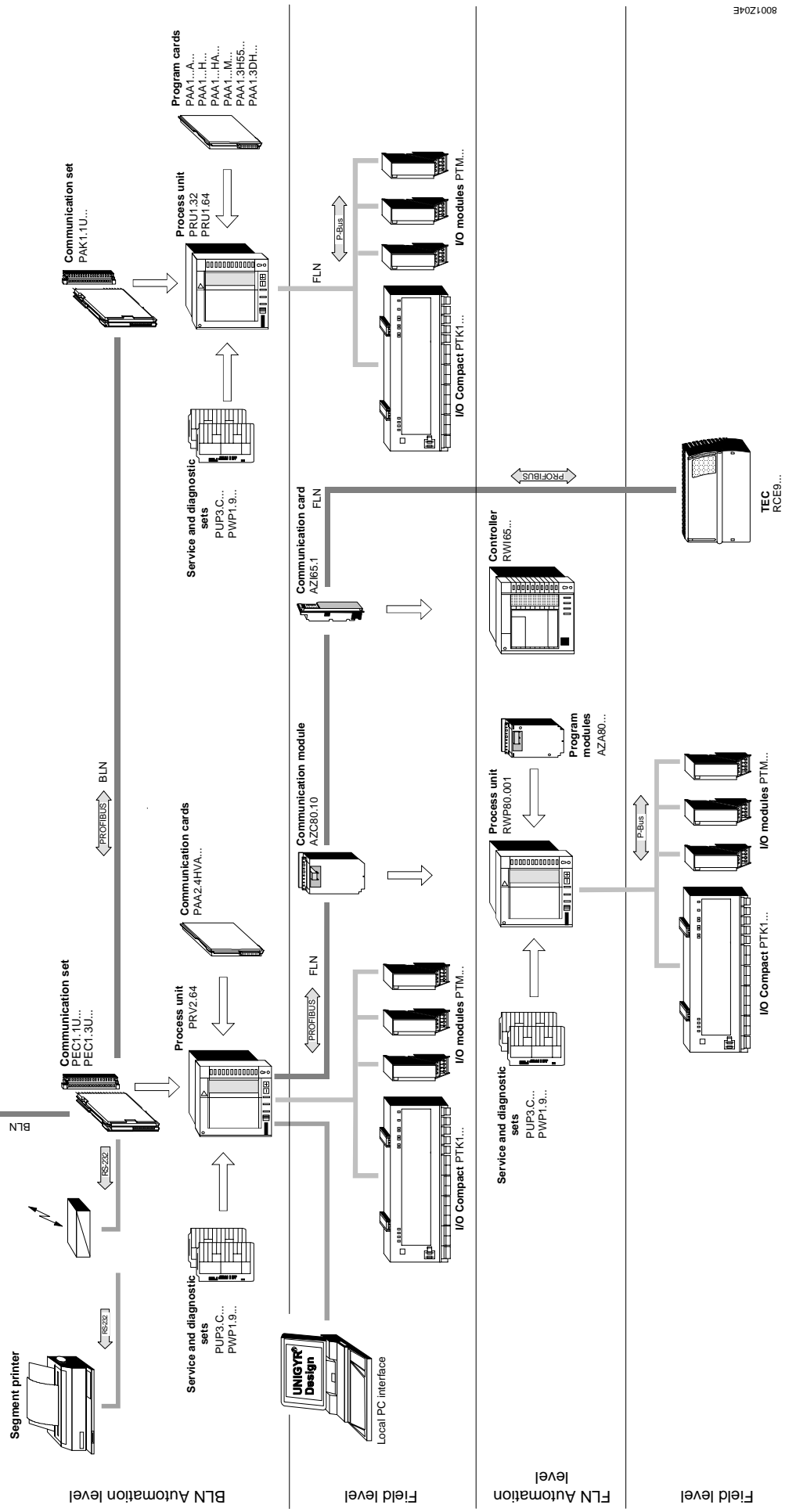
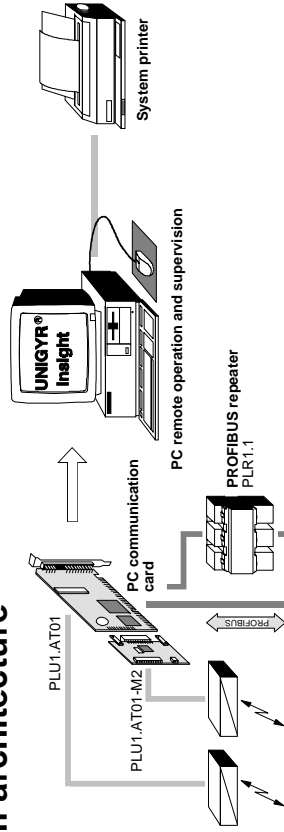


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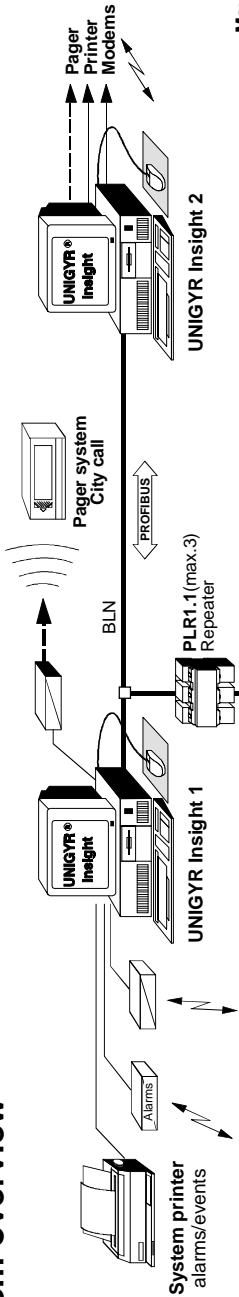
# UNIGYR® system architecture version 6.0



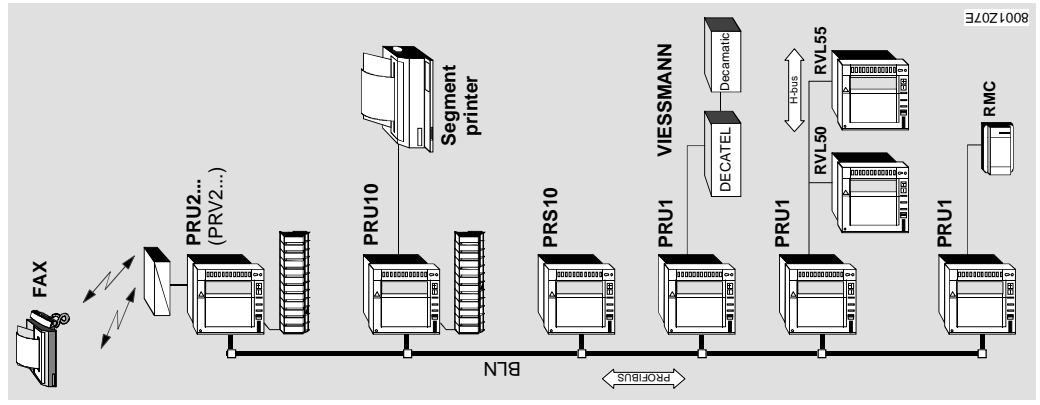
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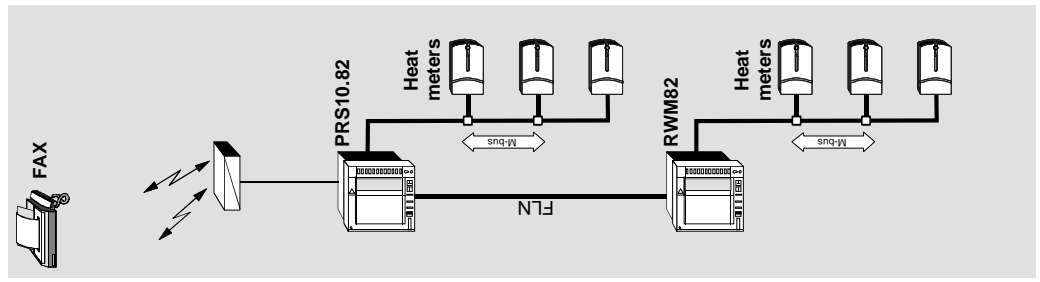
# UNIGYR® EMS system overview version 7.0



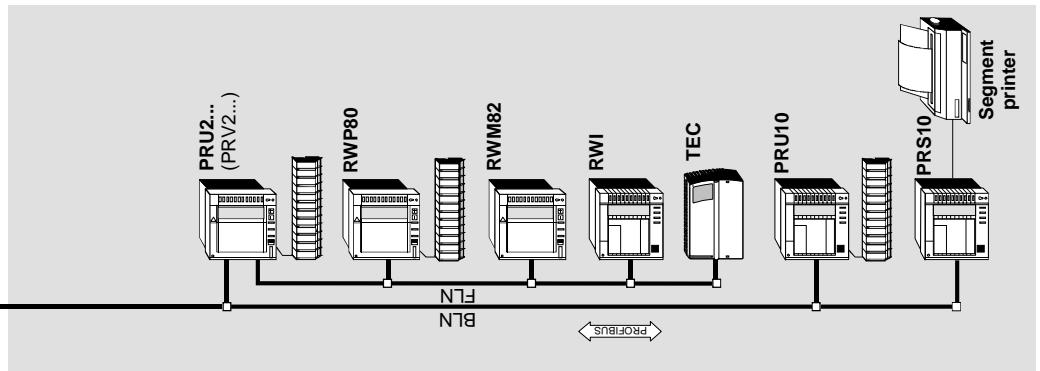
Max. 30 BLN devices per segment



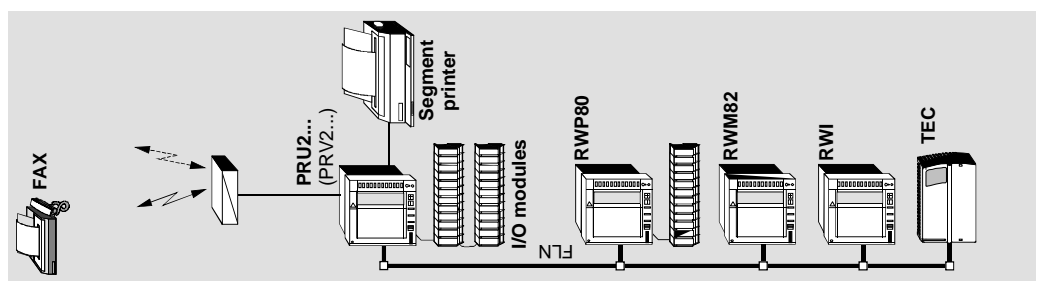
Telephone segment 5



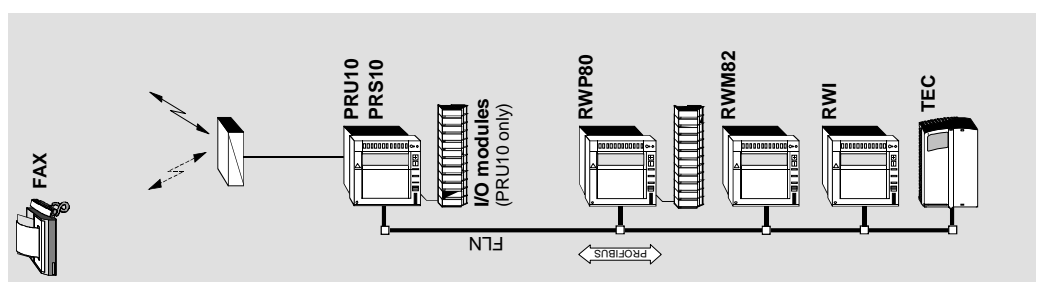
Telephone segment 4



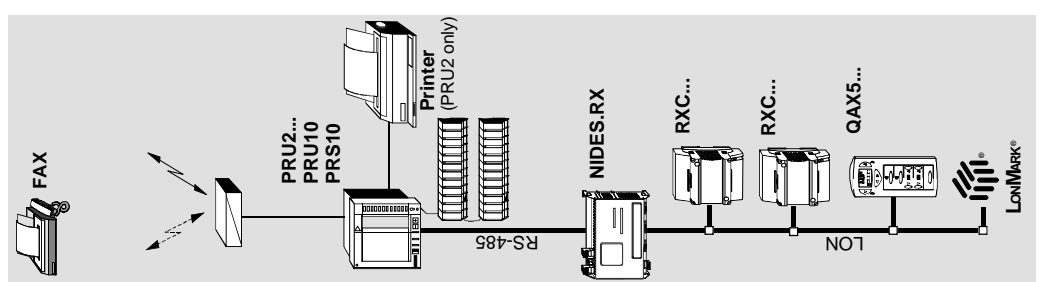
Local segment



Telephone segment 3



Telephone segment 2



Telephone segment 1