

Compact Series



Compact and rugged industrial design – IP65 (NEMA 4)

Completely closed – without interference-prone external fans

Available display sizes 8, 12 and 15 inches

Micro controller with monitoring and control functions

Simple connection of various peripheral devices

Easy operation via integrated touch panels

Optimized readability with bright TFT displays up to 430 cd

Expandable by interfaces and standard PC slots



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Technical Data Compact Series

● standard ○ optional – not available

	Type	C8	C12	C15
	Board version	N7A	N7B	N8T
		N7A	N7B	N8B
		N7A	N7B	N8C
Enclosure	Completely sealed, no external fan	●	●	●
	Material: Aluminum	●	●	●
	Material: CYCOLOY bezel, aluminum cast enclosure	-	-	-
	Surface: Structure/nano-structure paint finish	●	●	●
	Surface: Powder coated, structure paint finish	-	-	-
	Dimensions: 232x185x99 mm ³ (WxHxD) – approx. 3.8 kg	-	-	-
	Dimensions: 321x256x106 mm ³ (WxHxD) – approx. 5.6 kg	-	-	-
Display	Dimensions: 444x354x124 mm ³ (WxHxD) – approx. 9.6 kg	-	-	●
	21.3 cm / 8.4" TFT display SVGA (800x600) – 350 cd/m ²	●	●	-
	30.7 cm / 12.1" TFT display SVGA (800x600) – 350 cd/m ²	-	●	-
	30.7 cm / 12.1" TFT display XGA (1024x768) – 320 cd/m ²	-	○	-
Touch	38.1 cm / 15.0" TFT display XGA (1024x768) – 430 cd/m ²	-	○	-
	Resistive analog touch screen	●	●	●
CPU	Protective film for touch screen	○	○	○
	Intel® Celeron® 400 MHz	●	●	-
Memory	Intel® Pentium® III 933 MHz	-	-	-
	Intel® Celeron® M 800 MHz	-	-	-
	Intel® Celeron® M 1,0 GHz (512kB Cache)	-	-	●
	Intel® Pentium® M 1,4 GHz (2MB Cache)	-	-	●
	512 MB	●	●	-
Graphics controller	1 GB	-	-	●
	2 GB	-	-	○
Network	1 SO-DIMM socket	●	●	-
	2 SO-DIMM sockets	-	-	●
Hard Disk	Intel® 82815, max. 32 MB	●	●	-
	Intel® 3D Graphics controller 852GM, max. 64 MB	-	-	-
Interfaces	Intel® 3D Graphics controller 855GME, max. 64 MB	-	-	-
	Intel® 8251QM 10/100 MBit	●	●	●
Expansions/Slots	Intel® 82541PI 10/100/1000 MBit	-	-	-
	Wireless LAN	○	○	○
Special Functions	80 GB, optional SSD	●	●	-
	RS232 (COM 1, COM 2)	●	●	●
Input Voltage	RS232 galv. isolated, RS422/485 (COM 1, COM 2)	-	-	○
	LPT (ECP, EPP or SPP compatible)	●	●	●
Environment	2 x USB 1.1	●	●	-
	2 x USB 2.0	-	●	-
Mark of Conformity	4 x USB 2.0 (additional 1 x USB 2.0 internal)	-	●	-
	Ethernet network (RJ 45)	●	●	●
Operating Systems	Monitor VGA	●	●	-
	Monitor DVI-A (VGA only, via adaptor)	-	-	-
Operating Systems	Monitor DVI-I (VGA via adaptor)	-	-	-
	2 x Firewire 400	-	-	-
Operating Systems	PS/2 keyboard, mouse via Y cable	●	●	-
	CompactFlash slot (Type I)	●	●	-
Operating Systems	CompactFlash slot (Type II)	-	-	-
	Mini PCI	-	-	-
Operating Systems	Low profile PCI slot (120 mm long)	○	○	-
	1 x PCI slot (170 mm long)	-	●	-
Operating Systems	2 x PCI slot (200 mm long)	-	●	-
	PC/104+ (without ISA), instead of PCI slot	○	○	-
Operating Systems	Micro controller (monitoring, control, evaluation)	●	●	●
	Automatic brightness control	●	●	●
Operating Systems	Automatic temperature monitoring	●	●	●
	Automatic voltage monitoring	●	●	●
Operating Systems	Touch controller (panel control and readjustment)	●	●	●
	MCU setup	●	●	●
Operating Systems	12 VDC stabilized	●	●	-
	24 VDC (18-30 VDC)	-	-	-
Operating Systems	100 - 240 VAC (external power supply)	-	-	-
	8 V up to 140 VDC with external DC/DC converter	○	○	○
Operating Systems	up to IP65 (NEMA 4) (depends on connector cover)	○	○	○
	Operating temperature range 0 to 45° Celsius	○	○	○
Operating Systems	with heating option -20° to 45° Celsius	○	○	○
	with extended neg. temp. range -25° to 45° Celsius	-	-	-
Operating Systems	Storage -20° to 60° Celsius (-30°C with extend. op. temp.)	-	-	-
	Shock and vibration resistance DIN EN 60721-3-3	○	○	-
Operating Systems	Shock and vibration resistance DIN EN 60721-3-7	○	○	-
	CE, FCC	●	●	●
Operating Systems	Windows® NT, 2000, XP, XP Embedded, LINUX, DOS	○	○	○
	Windows® 7	-	-	○

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