



DLOG X10 / X12

The DLOG X 10 and DLOG X 12 are compact Windows CE terminals for industrial applications. They are equipped with an Intel PXA270 processor with a clock rate of up to 520MHz.

Of course, there is more to the DLOG X series than processor performance: Protection class IP54/IP65, WLAN/GSM connectivity, a 10.4" or 12.1" color TFT touch-screen display, two serial ports, two USB ports and great vibration/shock resilience make it an ideal terminal for modern industrial and logistics applications.

To accommodate the outdoors and even freezing conditions, the DLOG X 10 and DLOG X 12 can operate reliably and safely at extreme temperatures.

Technical specifications

Housing		Coated aluminum Designed without a fan
	Bracket holder	Various mounting supports are available for stationary and mobile applications (e.g. with RAM mount components)
	Dimensions	X 10: 9.01" x 11.02" x 3.26" / 229 x 280 x 83 mm (without bracket, without antenna) X 12: 10.31" x 12.55" x 3.89" / 262 x 319 x 99 mm (without bracket, without antenna)
	Weight	X 10: 4.0 kg, X 12: 4.7 kg
Display (internal)		Color TFT, 10.4" SVGA, 800 x 600 dpi, 230 cd/m ² Color TFT, 10.4" SVGA, 800 x 600 dpi, 400 cd/m ² Color TFT, 12.1" SVGA, 800 x 600 dpi, 350 cd/m ²
Touch screen		Resistant analog touch screen Mouse-compatible
System features		CPU: Marvell PXA270; up to 520 MHz RAM: 64 MB SDRAM ROM: 64 MB Flash Graphics: Integrated LCD controller
Software		Operating systems: MS Windows CE 5.0, Embedded Linux (upon request) Emulations: VT100, VT220, IBM 5250 Citrix ICA Client RDP Client AccessOne (Freefloat.com)
	Serial interface	Software drivers
Mass storage		CF card Currently up to 1 GB
Ports		Serial: 2 x RS 232 ports One of which is optionally available as a galvanically isolated RS 422/485 interface USB: 2 USB 2.0 (low and full speed) interfaces, 1 host and 1 client, or 2 host Keyboard/mouse: Externally via USB port

Slots	PC Card (16-bit)	1 x type I / type II
	CF	1 x type I / type II
Network	LAN/WLAN	CF adapter WLAN adapter according to 802.11b/g, support for WEP 40/128 and WPA / WPA2
	Expansion cards	USB
Mains adapter/power supply	DC voltage	12/24 VDC or 24/48 VDC, 36 W, galvanically isolated
		24/48 VDC, 60 W and 100 W, galvanically isolated Voltage drops of up to 10 Volts can be bridged for a maximum of 20 seconds
	AC voltage	12 VDC, 100 W, galvanically isolated Voltage drops of up to 5 Volts can be bridged for a maximum of 20 seconds at 80 W
		110/230 VAC, 30 W / 100 W
Power consumption	Roughly 15 W (depending on the display), during heating operation a maximum of 100 W	
Features	Brightness control	Manually/automatically
	Mains switch	Switch device on/off without disconnecting it from the mains
	Automatic switch-off	The operating system is properly shut down and the device is switched off using the ignition signal or power key on the front of the device; otherwise there is a 'hard' switch-off.
	Environment controller	Statistics, configuration and monitoring functions (temperature, ignition, backlight, etc.)
	Heating	For operation to -22 °F / -30 °C, for operation in deep freeze
	Wireless cards / antennas	DLoG 4 dBi antenna, installation kit for various providers
	Internal keyboard	Buttons F1 to F12, 0 to 9, Dot, Backspace, ESC, Enter, cursor keys, 2 special buttons
External keyboard	Can be employed simultaneously to the internal keyboard	
Ambient conditions	Protection class	IP54/IP65 (with proper assembly of cable cover)
	Test marks	CE/FCC Class A
	Operating temperature	32 °F (depending on the display to 122 °F / 0 °C (depending on the display) to +50 °C
		-22 °F to 122 °F / -30 °C to + 50 °C starting temperature >= -4 °F / -20 °C, only with heating
	Storage temperature	-4 °F to 149 °F / -20 °C to + 65 °C
	Relative humidity	10 % to 90 % at 104 °F / 40° C, non-condensating
Mechanical vibration and shock resistance	Class 5M3 according to EN 60721-3-5: 1998 (farm vehicles), 5 hours. 3.6 g effective noise and 36 vibrations with 30 g peaks or US Highway Truck according to MIL-STD 810F: 2000 (Department of Defense), 3 hours 1 g effective noise and 600 vibrations with 20 g peaks	

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