

## Product overview – Windows CE based terminals

Technical Data		X 7	X 10	X 12
<b>Housing</b>	<b>Dimensions</b>	Coated Aluminium Fanless Design 229 x 158 x 85 mm 2.5 kg	Coated Aluminium Fanless Design 226 x 280 x 86 mm 4.0 kg	Coated Aluminium Fanless Design 261 x 319 x 101 mm 4.7 kg
	<b>Weight</b>			
<b>Display (internal)</b>		7", WQVGA, 480 x 234, 500 cd/m <sup>2</sup> Display and front keys in portrait and landscape format available	10.4", SVGA, 800 x 600, 230 cd/m <sup>2</sup> 10.4", SVGA, 800 x 600, 400 cd/m <sup>2</sup>	12.1", SVGA, 800 x 600, 350 cd/m <sup>2</sup>
<b>Touch screen</b>		DLoG specific resistive touch screen	DLoG specific resistive touch screen	DLoG specific resistive touch screen
<b>System features</b>	<b>CPU</b> <b>RAM</b> <b>ROM</b>	Marvell® PXA270 up to 520 MHz 64 MB SDRAM / 128 MB SDRAM 64 MB Flash / 128 MB Flash	Marvell® PXA270 up to 520 MHz 64 MB SDRAM / 128 MB SDRAM 64 MB Flash / 128 MB Flash	Marvell® PXA270 up to 520 MHz 64 MB SDRAM / 128 MB SDRAM 64 MB Flash / 128 MB Flash
<b>Software</b>	<b>Operating systems</b>	MS® Windows® CE 5.0, CE 6.0, Embedded Linux (on request)	MS® Windows® CE 5.0, CE 6.0, Embedded Linux (on request)	MS Windows CE 5.0, CE 6.0, Embedded Linux (on request)
<b>Interfaces</b>	<b>Serial</b>	2 x RS232, alternatively 1 x RS232 and 1 x RS422/485 COM 1: optional 5 V or 12 V	2x RS232, alternatively 1 x RS232 and 1 x RS422/485 COM 1: optional 5 V or 12 V	2x RS232, alternatively 1 x RS232 und 1 x RS422/485 COM 1: optional 5 V or 12 V
	<b>USB</b>	2 x USB 2.0 (low and full speed) bootable, 1 host and 1 client or 2 host	2 x USB 2.0 (low and full speed) bootable, 1 host and 1 client or 2 host	2 x USB 2.0 (low and full speed) bootable, 1 host and 1 client or 2 host
<b>Slots</b>	<b>PC card (16-bit)</b>	1 x type I / type II	1 x type I / type II	1 x type I / type II
	<b>CF</b>	1 x type I	1 x type I	1 x type I
<b>Network</b>	<b>WLAN</b>	IEEE 802.11b/g	IEEE 802.11b/g	IEEE 802.11b/g
<b>Expansion cards</b>	<b>USB</b>	4 USB ports	4 USB ports	4 USB ports
<b>Power supply</b>	<b>AC</b>	110/230 VAC, 30 W, 50 to 60 Hz	110/230 VAC, 100 W, 50 to 60 Hz 24/48 VDC, 60 W or 100 W, galvanically isolated	110/230 VAC, 100 W, 50 to 60 Hz 24/48 VDC, 60 W or 100 W, galvanically isolated
	<b>DC</b>	12/24 VDC or 24/48 VDC, 36 W, galvanically isolated	12 VDC, 100 W, galvanically isolated	12 VDC, 100 W, galvanically isolated
<b>Features</b>	<b>Brightness control</b>	Manually/Automatically	Via integrated front keys	Via integrated front keys
	<b>On/Off</b>	Configurable On/Off key	Configurable On/Off key	Configurable On/Off key
	<b>Automatic shut down</b>	Initiated by the ignition signal (automatically) or by the On/Off switch (manually) the operating system is properly shut down and the device is switched off.	Initiated by the ignition signal (automatically) or by the On/Off switch (manually) the operating system is properly shut down and the device is switched off.	Initiated by the ignition signal (automatically) or by the On/Off switch (manually) the operating system is properly shut down and the device is switched off.
	<b>Environment Controller</b>	Statistics, configuration and monitoring functions (temperature, ignition, diagnostics, etc.)	Statistics, configuration and monitoring functions (temperature, ignition, diagnostics, etc.)	Statistics, configuration and monitoring functions (temperature, ignition, diagnostics, etc.)
	<b>WLAN antennas</b>	DLoG antennas for various application areas	DLoG antennas for various application areas	DLoG antennas for various application areas
<b>Environmental conditions</b>	<b>Front keys</b>	4 / 17 keys	4 / 10 / 25 keys	4 / 25 keys
	<b>Protection class</b>	IP 54 / IP 65 / IP 66 / IP 67	IP 54 / IP 65 / IP 66 / IP 67	IP 54 / IP 65 / IP 66 / IP 67
	<b>Test marks</b>	CE/FCC Class A	CE/FCC Class A	CE/FCC Class A
	<b>Operating temperature</b>	-22°F to +122°F / -30°C to +50°C (power on temperature > -13°F / -25°C)	32°F to 122°F / 0°C to +50°C -22°F to 122°F / -30°C to +50°C (with heating option only)	32°F to 122°F / 0°C to +50°C -22°F to 122°F / -30°C to +50°C (with heating option only)
	<b>Storage temperature</b>	-31°F to 149°F / -35°C to +65°C	-4°F to 140°F / -20°C to +60°C	-4°F to 140°F / -20°C to +60°C
	<b>Relative humidity</b>	10% to 90% at 104°F / 40°C, non-condensing	10% to 90% at 104°F / 40°C, non-condensing	10% to 90% at 104°F / 40°C, non-condensing
	<b>Vibration/Shock</b>	Class 5M3 according to EN 60721-3-5 (1997) (terrestrial vehicle), 5 h random vibration 3.6 g effective and 36 shocks 30 g peak and US Highway Truck as MIL-STD 810F: 2000 (Department of Defense), 3 h random vibration 1 g effective and 18 shocks 20 g peak	Class 5M3 according to EN 60721-3-5 (1997) (terrestrial vehicle), 5 h random vibration 3.6 g effective and 36 shocks 30 g peak and US Highway Truck as MIL-STD 810F: 2000 (Department of Defense), 3 h random vibration 1 g effective and 18 shocks 20 g peak	Class 5M3 according to EN 60721-3-5 (1997) (terrestrial vehicle), 5 h random vibration 3.6 g effective and 36 shocks 30 g peak and US Highway Truck as MIL-STD 810F: 2000 (Department of Defense), 3 h random vibration 1 g effective and 18 shocks 20 g peak