

# CORE

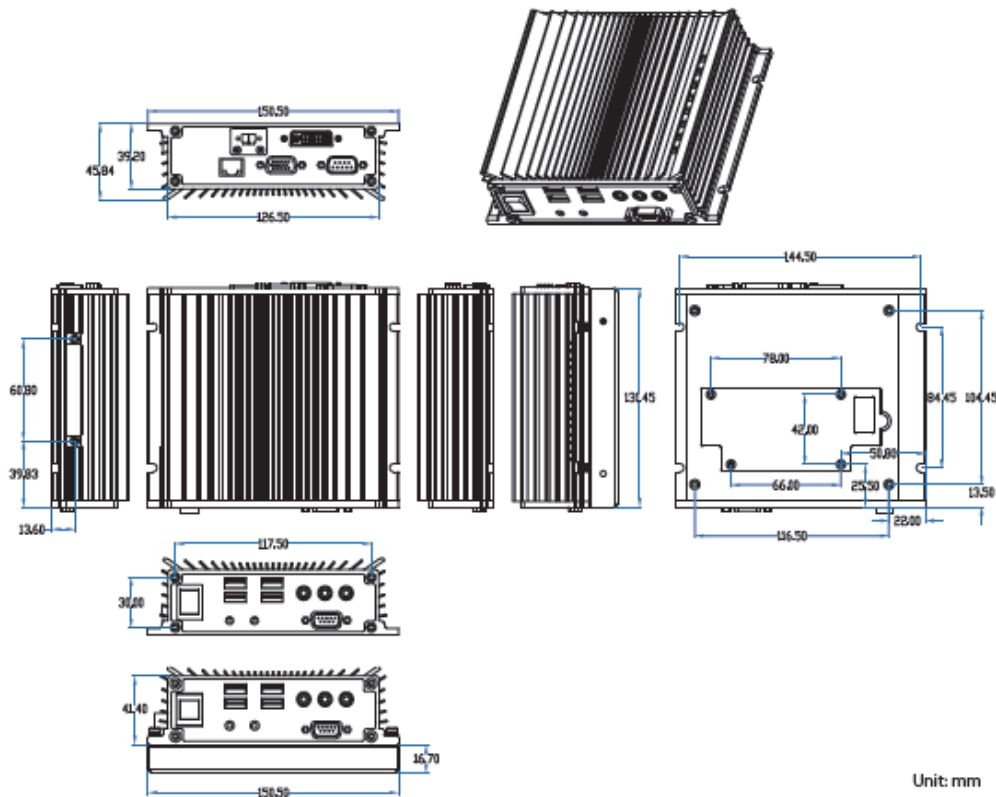


The Digital Dreams Series units are ETHERNET and RS-485 based designed to be mounted on wall or near electrical junction box concealed in side the wall or on wall. A fanless, ultra compact chassis with embedded board with OS to function 24 X 365 at 45°c

## Technical data :

<b>Processor System</b>	<b>Processor</b>	1.0GHz C7® (optional support 500 MHz Eden™ ULV processor. )
	<b>Chipset</b>	VX700 Unified Digital Media IGP chipset
	<b>BIOS</b>	Award BIOS 4/8 Mbit flash ROM
	<b>System Memory</b>	1x DDR2 533, 200-pin SDRAM SODIMM socket Up to 1 GB memory size
<b>Display</b>	<b>VGA</b>	Integrated UniChrome™ Pro II 3D/2D AGP graphics with MPEG-2/4 and WMV9 decoding acceleration
	<b>Display Memory</b>	Optimized Unified Memory Architecture (UMA) Supports up to 128 MB frame buffer using system memory
	<b>Display Interface</b>	Supports CRT and DVI-D interface
<b>LAN</b>	<b>Controller</b>	1 x VT6122 Gigabit Ethernet controller
	<b>Interface</b>	1 x RJ45 connector
<b>System Board Support</b>	<b>Compatibility</b>	Compatible with EPIA-P700 embedded board
<b>Drive Bay</b>	<b>DOM Flash Drive</b>	Driver bay for 44-pin IDE interface Disk On Module (DOM) Flash drive
<b>Storage Expansion</b>	<b>HDD bay</b>	Optional storage sub-system expansion chassis, supporting a 2.5" SATA hard disk drive bay
<b>Cooling System</b>	<b>Heatsink</b>	Built-in heatsink and heatpie set
<b>HD Audio</b>	<b>Controller</b>	1708A High Definition Audio Codec
	<b>Interface</b>	Support Line-in, Line-out, Mic-in
<b>Others</b>	<b>Watchdog Timer</b>	System reset. Programmable 1 ~ 255 sec
	<b>Serial Ports</b>	Built-in EPIA-P700 system board . Super I/O LITE VT1212 controller, supporting one COM port
	<b>USB</b>	4 x USB 2.0 ports
	<b>GPIO</b>	1 of 2x6-pin headers supports GPIO (2 x GPI, 2 x GPO) + 5V power source
<b>Chassis Construction</b>	<b>Construction</b>	Aluminum top cover mixed with copper heatpie. Metal chassis housing
	<b>Material</b>	Aluminum top cover and SECC front/rear/bottom plate
<b>Front I/O Ports</b>	<b>Audio Line-in</b>	1 x Front-access Line-In port by a 3.5 Ø audio jack connector
	<b>Audio Line-out</b>	1 x Front-access Line-out port by a 3.5 Ø audio jack connector
	<b>Audio Mic-in</b>	1 x Front-access Mic-in port by a 3.5 Ø audio jack connector
	<b>USB</b>	4 x Front-access USB ports by two pairs of double-stack of mini-DIN connectors
	<b>GPIO</b>	1 x Front-access GPIO port by a D-Sub 9-pin female connector
<b>Rear I/O Ports</b>	<b>VGA</b>	1 x Rear-access VGA port by a D-Sub 15-pin female connector
	<b>DVI</b>	1 x Rear-access DVI Port by a D-Sub 24-pin female connector metal face plate
	<b>Giga LAN</b>	1 x Rear-access Gigabit Ethernet port by a RJ-45 connector
	<b>COM</b>	1 x Rear-access COM port by a D-Sub 9-pin male connector

<b>Power Supply</b>	<b>Power Source</b>	DC Input 12 V
	<b>Power Input Connector</b>	1X Power Input connector by 7-pole Phoenix connector
	<b>Power ON/OFF</b>	One DC Power on/off switch
	<b>Power Consumption</b>	Maximum 15.86 W Typical 8.11 W
<b>Mechanical Specifications</b>	<b>Input Voltage</b>	12 VDC @ 0.68 A
	<b>Mounting</b>	Supports table mount, wall mount, and VESA mount.
	<b>System Indicator</b>	1 x Power on LED (green) 1 x HDD LED (red)
	<b>Weight</b>	Net 1 kg
<b>Environmental Specification</b>	<b>Dimension</b>	117 mm (W) x 45 mm (H) x 111 mm (D) Width 140 mm with mounting bracket
	<b>Operation Temperature</b>	Supports from -20 up to 70°C: -20 to 60°C for C7™ 1.0GHz SKU -20 to 70°C for Eden™ ULV 500MHz SKU (optional)
	<b>Relative Humidity</b>	Humidity 0 ~ 90% @ 45°C, non-condensing
	<b>Vibration Loading During Operation</b>	With IDE DOM flash drive 7Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct/min, 1hr/axis With Hard Disk Drive, 1Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct/min, 1hr/axis
	<b>Shock During Operation</b>	With IDE DOM flash drive /0.5, IEC 60068-2-27, half size, 11ms duration With Hard disk drive /1X, IEC 60068-2-27, half size, 11ms duration
	<b>Certification</b>	CE/FCC/CCC Class A



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