SPECIFICATIONS

System	
Processor	AMD Geode™ LX 800
GPU	Integrated in the CPU
Memory (RAM)	128MB or 512MB
Storage	64MB to 1GB Flash; 160GB HDD
Operating Systems	Microsoft® Windows® CE, Windows® XP Embedded, or Windows® XP Pro for Embedded Systems
Display Resolution	Up to 1280 x 1024
Network Interface	10/ 100MB BaseT LAN; Wi-Fi 802.11a/b/g (optional)
Expansion	Mini PCI
Input/Output Ports	1 VGA port; 12V DC-in jack; 2 Audio jacks (Microphone-in Headphone-Out jacks); 4 USB 2.0 ports; 2 Serial/ COM ports; 1 Parallel port; RJ45 connector for Ethernet; Wi-Fi dipole antenna (optional)
Power	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 12V DC
Mechanical	
Enclosure	Aluminum chassis; ABS plastics end-caps
Dimensions (H x W x D)	1.8 x 5.7 x 5.1 in/ 46 x 144 x 130 mm
Weight	1.45 lbs/ 660 g
Environmental	
Regulatory	FCC Class B, CE, C-Tick, UL, RoHS compliant
Temperature	**Operation:** 0°C - 40°C; **Storage:** -20°C - 60°C
Humidity	0% - 90% non-condensing

* Specifications subject to change without notice.

Embedded Controller/ System

DT168

BASIC OPERATION GUIDE

ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of Embedded Controller/ System devices—the WebDT 168, featuring a compact and robust design powered by the AMD Geode™ processor and providing effective solutions for a broad range of computing needs. The WebDT 168 supports major embedded operating systems as well as Windows XP. The user is offered a choice of software solutions on a platform characterized by the following:

• High-integration and energy-efficient processor technology

• Robust, fanless construction for reliable operation

• Cost-effective computing in compact and versatile packaging
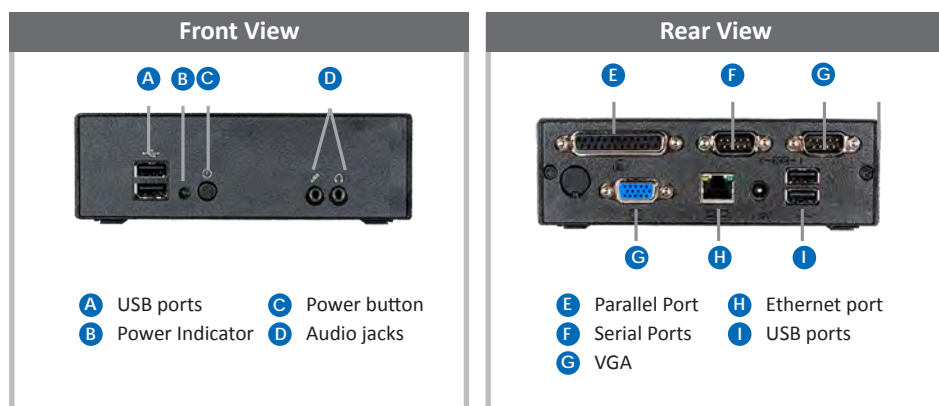
Package Contents

1. DT168
2. AC/DC Power Adapter
3. Base/Stand
4. Basic Operation Guide

Note: The actual package contents may vary depending on the configuration acquired.

Precautions

- Always exercise care when operating and handling the DT168.

- Never disassemble any portion of the enclosure. It will void any product warranty on the DT168.

- Do not use any AC/DC adapter other than the one provided with the device or acquired from the manufacturer or its partners.

- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power down the DT168 and disconnect all power sources. Please report the problem to your device provider immediately.

THE DT168

Front View	Rear View

A	USB ports	**C**	Power button
B	Power Indicator	**D**	Audio jacks

E	Parallel Port	**H**	Ethernet port
F	Serial Ports	**I**	USB ports
G	VGA		

Powering ON and OFF

The Power Button is located in the front of the DT168. The Power Button may be configured to function differently depending on the power options of the operating system. In general, to turn the DT168 on, push and release the Power Button on the front bezel. The adjacent power LED will be lit (blue) and the corresponding interface will be displayed on the display monitor.

To turn off the device, again depending on software operating system, push and release the Power Button or use a software shutdown interface. In the event of system lockup, the Power Button may be used to perform a reset on the device. To do that, push and hold the Power Button for at least 4 seconds. The system will shut down and all unsaved work may be lost. Pushing on the Power Button again will restart the device.
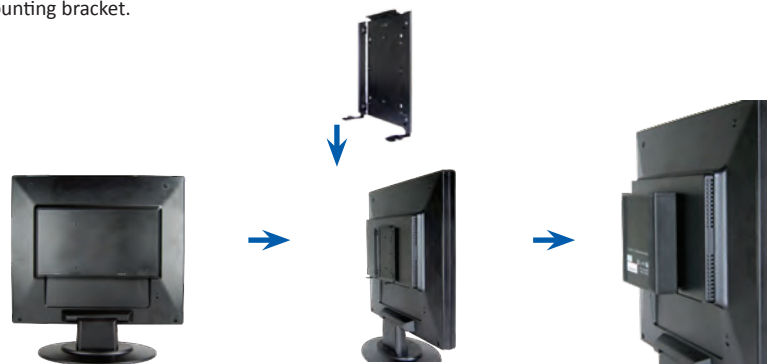
Device Ports

The DT168 features a comprehensive set of I/O ports while preserving the compact size of the enclosure. The VGA, Network (10/100 BaseT Ethernet), and Power ports are supplemented by a set of two (2) Serial, one (1) Parallel, four (4) USB 2.0 and Audio ports.

Memory and Storage

The DT168 may be available in memory configurations ranging from 64MB of flash memory to 4GB of flash. Depending on base software configuration, the user may use up the internal flash memory of the WebDT 168 for the user's installed software and storage. The user may also supplement storage space with USB-based peripherals such as flash disks, disk drives, etc. RAM capacity ranges from 128MB to 1GB.

VESA Mounting Bracket Installation Guide for DT168

It is quite simple to mount the DT168 to VESA adapters or LCD monitors using the external mounting bracket.

OPTIONS

The DT168 is designed to work with a range of custom and off-the-shelf options to enhance its applicability for various deployments.

- USB-to-Serial and USB-to-PS/2 adapters

- Bracket and Cable for Internal Hard Disk Drive (HDD) Mounting

- IInternal (mini-PCI) and External (USB) wireless LAN (WLAN) adapters

- Short VGA cable for connection to mounted display

- External bracket for mounting the DT168 to VESA adapters and LCD monitors (see mounting process above)