

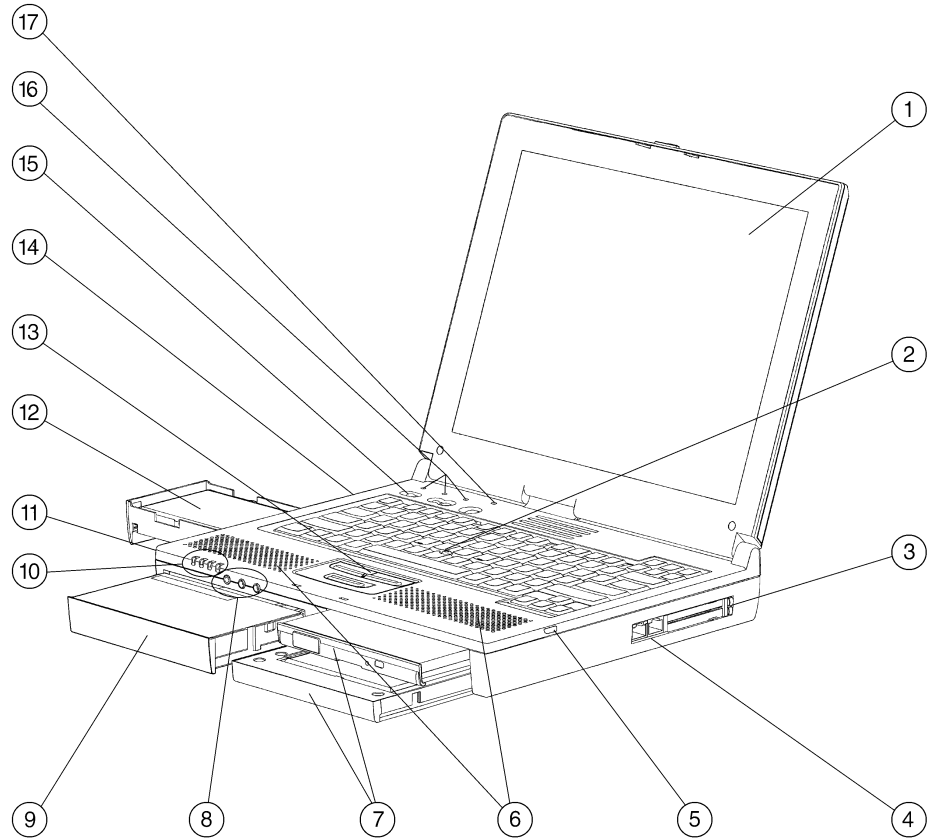
QUICKSPECS

Compaq Armada E700

Overview

BENEFITS AT A GLANCE

- Intel Mobile Pentium® II processor 400 MHz
- 128 MB SDRAM
- 14GB¹ SMART Hard Drive
- 14.1-in TFT 1024 x 768 display
- AGP (Accelerated Graphics Port) Implementation
 - 8 MB Video SDRAM
 - 66-MHz graphics bus
- Tri-view display support (TV-out NTSC & PAL)
- Choice of Windows NT or 95
- Integrated Mini PCI modem
- Full-size keyboard
- User removable hard drive
- Dual-stacked MultiBay providing integral 3-spindle support
- Dual battery support
- Integrated stereo-speakers
- Protected by a three-year, Worldwide Limited Warranty¹, Pick-up anywhere within Australia with a 48-hour service workshop turnaround repair time.



- | | |
|---|---|
| 1. 14.1-in Color TFT Display | 9. 8-cell Battery |
| 2. EasyPoint IV Pointing Stick | 10. Battery light, Power/Suspend light, HDD light, MultiBay light |
| 3. PC Card Slots (2) | 11. Integrated Microphone (on left-side) |
| 4. RJ-11 Jack | 12. Primary HDD |
| 5. Acoustic Ports (2) | 13. Left, Right, and Scroll Pointing-Stick Buttons |
| 6. Stereo Speakers (2) | 14. Video-out Port (on left-side) |
| 7. Dual-stacked MultiBay (hold: 12.7 mm diskette drive, CD-ROM, SuperDisk LS-120, second battery, or MultiBay HDD. Also can hold: one 12-cell battery, or one 17 mm HDD (w/HDD adapter) | 15. Power, Volume (2), Suspend Buttons |
| 8. Microphone jack, Stereo Speaker/Headphone jack, Stereo Line-in jack | 16. Num Lock, Scroll Lock, Caps Lock lights |
| | 17. Display Switch |

QUICKSPECS

Compaq Armada E700

Standard Features

MODELS

**Windows NT Workstation 4.0
with integrated modem**
6400/T14/14.0/V/M/3
113364-011

**Windows 95 with integrated
modem**
6400/T14/14.0/V/M/1
113367-011

Processor

Intel Mobile Pentium II processor 400 MHz with MMX™ technology

Cache Memory

Integrated 256-KB level 2

Memory

Standard	128 MB
Maximum	320 MB

Communications

Integrated industry-standard Mini-PCI v.90, 56/33.6/14.4 Kb/s controllerless modem with protection from power surges and digital phone lines
6400/T14/14.0/V/M/1
6400/T14/14.0/V/M/3

Keyboard

101-key compatible keyboard with isolated, inverted-T cursor control keys and right-control key; special feature hotkeys for instant access to power conservation QuickLock/QuickBlank, battery charge status, brightness, mute and toggle between internal, external or simultaneous displays

Pointing Device

Keyboard-integrated, textured, EasyPoint IV™ with 3 button support for easy selection, scrolling and magnification

PC Card Slots

Two Type II/One Type III PC Card Slot(s) support both 32-bit CardBus² and 16-bit PC Cards; Zoomed Video support in both slots.

Storage

Diskette Drives	1.44 MB
DVD-ROM Drive	6400/T14/14.0/V/M/1 6400/T14/14.0/V/M/3

Hard Drives	14 GB³
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Multimedia

Integrated PCI audio controller based on ESS Maestro-3E with ES1920 AC'97 Rev 2.0 codec and selectable 2 MB/4 MB wavetable with WDM drivers for Win 98. Compaq Premier•Sound™ for enhanced stereo audio (16-bit Sound Blaster Pro compatible), integrated stereo speakers and microphone, software volume control, stereo line-in, headphone out, microphone in jacks, standard DVD-ROM Drive and software MPEG1. Software MPEG2 is available.

Standard Features

Interfaces

PC Card	Two Type II/One Type III Slot(s)
Enhanced Parallel	1
Serial	1
External Monitor	1
External Keyboard/ Pointing Device	1
Convenience Base	1
Headphone/Line out	1
Microphone in	1
TV-out	1
AC Power	1
DC Power	1
RJ-11	1
Infrared	1 (4 Mb/s ⁴ support)
USB	1

Graphics

2X AGP implementation with dedicated 66-MHz AGP graphics bus. ATI Mobility-P™ graphics controller with 8 MB of 125 MHz SDRAM. Up to 100 Hz external refresh at SVGA resolution up to 16.8 M colors. Supports Tri-view display with TV-out, with 2 different images on 2 different displays at different refresh rates. NTSC & PAL TV-out support via optional dongle up to 1024 x 768 resolution

Display

14.1-inch color TFT with 1024 x 768 resolution (up to 16.8 M colors)

Software

Microsoft Windows NT Workstation 4.0 SP4
Compaq Intelligent Manageability
Security 32
Diagnostics for Windows NT
Compaq Power Management
Online Safety and Comfort Guide
Reference Guide
Carbon Copy

Microsoft Windows 95 OSR 2.5
Compaq Intelligent Manageability
Security 32
Diagnostics for Windows 95
Compaq Power Management
Online Safety and Comfort Guide
Reference Guide
Carbon Copy

OS Support

Windows NT Workstation 4.0 SP4
Windows NT Workstation 4.0 SP3
Windows 98
Windows 95 OSR 2.5

Intelligent Manageability

Lowers cost of ownership by providing enhanced security, asset management and fault prediction. Also provides system alerts such as SMART Drive alert, battery fault alert, thermal alert, and memory alert for investment and data protection

QUICKSPECS

Compaq Armada E700

Standard Features

Security

Cable lock support
Power-on and setup passwords
QuickLock/QuickBlank
Ability to disable serial port, parallel port, PC Card slots, diskette drive, diskette drive boot sequence, infrared port
Memory door security screw (tool included)
DriveLock Security for advanced data protection
Password protection resides on the drive

Power Supply

Integrated AC Adapter for less bulky transportation; 8-foot power cord included

Battery⁵

Li-Ion Battery Pack provides up to 3.7 hours of battery life⁶; a second battery can be supported in the MultiBay for increased battery life: Battery QuickCheck button on battery pack provides instant visual indication of charge status

Power Conservation

Hibernation, Instant-On via Suspend; pop-ups with three presets and one custom level of power conservation

Service and Support

Compaq Services provides a range of services for the Armada E700, including a three-year, Worldwide Limited Warranty. In Australia warranty includes Pick-up anywhere in Australia with 48-hour service workshop turnaround repair time.

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Compaq Armada E700

Options

Memory

128-MB Memory Upgrade	400313-B21
64-MB Memory Upgrade	400312-B21
32-MB Memory Upgrade	400311-B21

Monitors

TFT8000 Flat Panel - 18"	307906-011
TFT5000 Flat Panel - 15" Pivot	325700-011
TFT5000S Flat Panel - 15"	122729-011
P110 Colour - 21"	325600-011
P75 Colour - 17"	307806-011
S900 Colour - 19"	360562-011
S700 Colour - 17"	360512-011
V500 Colour - 15"	325900-011

Hard Drives

10- GB SMART Hard Drive (Multibay)	134107-B21
14-GB SMART Hard Drive (Dual Bay)	354231-B25

PC Cards/Communications

Compaq Microcom 420 56K Global Modem	317900-011
Compaq Microcom 520 56K Modem + 10/100 Ethernet PC Card	321550-011
10/100 TX PC Card UTP Controller	335506-B21
Netelligent 16/4 IBM TR PC Card	301208-B21
Compaq Speedpaq GSM Radio PC Card	294650-021

Multimedia

DVD-to-Go (PCMCIA DVD MPEG-2)	202861-B21
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Expansion Bases

ArmadaStation II (Opal)	203100-012
ArmadaStation II (Carbon)	112162-012
MiniStation E	327137-012
MiniStation EX	327138-012
Opal Tower Stand	267863-001
Opal Monitor Stand	319660-001
ArmadaStation EM with Intel NIC	TBA
ArmadaStation EM with 3Com NIC	TBA
Armada Convenience Base EM with Intel NIC	TBA
Armada Convenience Base EM with 3Com NIC	TBA
Armada Port Replicator EM	382300-011
Convenience Base EM Monitor Stand	122296-B25
ArmadaStation Tower Stand	122599-B25

Power

Primary Battery (8-cells)	109095-B21
DualBay Battery (12-cells)	109094-B21
MultiBay Battery (6 cell)	387937-B25
AC Adapter	120765-B21
External Battery Charger	135555-B21
Auto Charger	401043-B25
Aircraft Adapter	386504-B21
AC Line Cord (10-ft)	217932-012

Input Devices

External Enhanced III Keyboard (carbon)	118003-018
Compaq Mouse (opal)	143315-B21
Compaq Mouse (carbon)	103180-B21

Useful Accessories

Security Lock	294316-B21
Armada Headset with microphone	220460-001
Universal Monitor Stand	294315-B21

Carrying Cases

Compaq Value Case, Nylon	318370-001
Compaq Global Case	255818-001
Compaq Leather Case	318151-001

MultiBay Devices

4x DVD-ROM Drive	118103-B25
SuperDisk LS 120 Drive	296502-B25
10- GB SMART Hard Drive (Multibay)	134107-B21
14-GB SMART Hard Drive (Dual Bay)	354231-B25
MultiBay Battery (6 cell)	387937-B25
DualBay Battery (12-cells)	109094-B21

Memory

Compaq Armada E700

STANDARD MEMORY

128 MB installed – 64 MB SDRAM installed on the System Board and 64 MB installed in 1 slot (1 slot available)

Standard	Slot 1	Slot 2
128 MB	64 MB	Empty

STANDARD MEMORY PLUS

OPTIONAL MEMORY

Support for up to 256 MB of SDRAM is available with the installation of an optional Memory Upgrade.

Up To	Slot 1	Slot 2
160 MB	64 MB	32 MB
192 MB	64 MB	64 MB
256 MB	64 MB	128 MB

STANDARD MEMORY REPLACED

WITH OPTIONAL MEMORY

Support for up to 320 MB of SDRAM memory is available with the removal of the standard 64 MB SDRAM Memory Upgrade and the installation of optional SDRAM Memory Kits in addition to the 64 MB SDRAM on the System Board.

Up To	Slot 1	Slot 2
320 MB	128 MB	128 MB

Note: Because one memory slot is occupied in these products, the 64 MB SDRAM Memory Upgrade (which ships standard) must be removed to reach the maximum memory of 320 MB. This chart does not represent all possible configurations.

Following are memory options available from Compaq:

- 128-MB Memory Upgrade 400313-B21
- 64-MB Memory Upgrade 400312-B21
- 32-MB Memory Upgrade 400311-B21

Storage

DRIVE SUPPORT

	Quantity Supported	Drive Bay Supported
Removable Media		
1.44-MB Diskette Drive	1	MultiBay (Bottom Bay Only)
24X Max7 CD-ROM Drive	1	MultiBay
4x DVD-ROM	1	MultiBay
SuperDisk LS-120	1	MultiBay
Hard Drives		
14-GB ³ SMART Hard Drive	2	Dedicated hard drive bay and MultiBay

QUICKSPECS

Compaq Armada E700

Technical Specification

System Unit

Dimensions (HxWxD)	2 x 12.6 x 10.2 in/5.08 x 32 x 25.9 cm
Weight (with modem installed)	
DVD-ROM/FDD configured (14.1-in)	
Without Power Cord	8.8 lbs/4.0 kg
With Power Cord (total carrying weight)	9.2 lbs/4.2 kg
DVD-ROM/Weight Saver configured (14.1-in)	
Without Power Cord	8.4 lbs/3.8 kg
With Power Cord (total carrying weight)	8.8 lbs/4.0 kg
12-cell Battery configured (14.1-in)	
Without Power Cord	9 lbs/4.1 kg
With Power Cord (total carrying weight)	9.4 lbs/4.3 kg
Stand-Alone Power Requirements	
Average Operating Power	15W
Peak Operating Power	30W
Power Supply	
Rated Input Voltage	100 to 120/220 to 240 VAC
Rated Input Current	1.2/0.6A
Rated Frequency	50 to 60 Hz
Temperature	
Operating	5° to 104°F/10° to 40°C
Non-operating	-4° to 140°F/-20° to 60°C
Relative Humidity (non-condensing)	
Operating	10% to 90% relative humidity, non-condensing
Non-operating	5% to 95% relative humidity, 101.6°F/38.7°C Maximum webulb temperature
Shock	
Operating	10 G, 11 ms, half sine
Non-operating	60 G, 11 ms, half sine
Vibration	
Operating	0.25 G, 50 to 500 Hz sine, 1/2 octave/minute sweep
Non-operating	1 G, 50 to 500 Hz sine, 1/2 octave/ minute sweep
Maximum Altitude (unpressurized)	
Operating	0 to 10,000 ft/3,048 m (14.7 to 10.1 psia)
Non-operating	0 to 30,000 ft/9,144 m (14.7 to 4.4 psia)

QUICKSPECS

Compaq Armada E700

Technical Specifications

14.1-Inch Color TFT XGA Display

Dimensions (HxW)	8.5 x 11.27 in/21.59 x 28.63 cm
Diagonal Size	14.1 in/35.81 cm
Mounting	Internal Panel Supports
Number of Colors	Up to 16.8 M with dithering
Contrast Ratio	150:1
Brightness	150 cd/m ²
Pixel Resolution	
Pitch	0.279 x 0.279 mm
Format	1024 x 768
Configuration	RGB stripe
Backlight	CCFT (Cold Cathode Fluorescent Tube)
Character Display	80 x 25
Total Power Consumption	4.5W

Hard Drives

14 GB³	Capacity	14.1 ³ GB	Seek Time (typical reads, including settling)
	Height		Single Track 4 ms
	Width		Average 12 ms
	Interface		Full-Stroke 23 ms
	Transfer Rate		Rotational Speed 4,900 rpm
	Synchronous (Max)		Physical Configuration
			Bytes/sector 512 KB
			Operating Temperature

Diskette Drive

Diskette Size	3.5 in
Light	On system
Height	0.5 in/12.7 mm
Bytes per Sector	512
Sectors per track	
High density	18 (1.44 MB)/15 (1.2 MB)
Low density	9
Tracks per side	
High density	80 (1.44 MB)/80 (1.2 MB)
Low density	80
Read/Write heads	2
Access Times	
Track-to track (high/low)	3 ms/6 ms
Average (high/low)	94 ms/174 ms
Settling time	15 ms
Latency average	100 ms

QUICKSPECS

Compaq Armada E700

Technical Specification

Li-Ion Battery Pack

Dimensions (HxWxL)	0.92 x 3.46 x 5.44 in/2.34 x 8.8 x 13.82 cm
Weight	0.89 lbs/0.4 kg
Energy (Primary 8-cell Battery)	
Voltage	14.4 V
Amp-hour capacity	3.2 Ah
Watt-hour capacity	46Wh (w/calibration)
Energy (Optional 12-cell Battery)	
Voltage	14.4 V
Amp-hour capacity	4.9 Ah
Watt-hour capacity	69Wh (w/calibration)
Energy (Optional 6-cell Battery)	
Voltage	10.8 V
Amp-hour capacity	2.8 Ah
Watt-hour capacity	30Wh (w/calibration)
Performance	
Single primary battery life	3.5 hours
Dual battery life (8-cell and 12-cell)	8.8 hours
Dual battery life (8-cell and 6-cell)	5.8 hours
Temperature	
Operating	50° to 104°F/10° to 40°C
Non-operating	-12° to 140°F/-30° to 60°C

DVD-ROM Drive

Center Hole Diameter	0.59 in/1.49 cm
Disc Diameter	12 cm, 8 cm
Disk Thickness	1.2 mm
Track Pitch	0.74 μ m
Access Times (typical reads, including settling)	
Random	< 150 ms
Full-Stroke	< 225 ms
Audio Output Level	
Line out	0.7 Vrms (typical)
Cache Buffer	128 Kb/s (minimum)
Data Transfer Rate	
Sustained (1X)	150 Kb/s
Sustained DVD	2,760 Kb/s
Normal PIO Mode 4 (single burst)	16.6 Mb/s
Start-up Time	< 15 sec (typical)
Stop Time	< 6 sec

¹ Certain restrictions and exclusions apply. Consult the Compaq Care Centre for details: 1300 368 369.

² Full support in Windows 9.x

³ For Hard Drives, GB = Billion Bytes

⁴ IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.

⁵ When tested in the standard configuration using Ziff-Davis BatteryMark test version 2.0, the battery life of the Armada E700 family will range from 3 hours 0 minutes to 3.5 hours and 0 minutes depending on individual usage.

⁶ Actual results may vary with individual usage. When tested in a standard configuration, using the Ziff-Davis BatteryMark test version 2.0, the Battery life of the Armada E700 will range up to 3.7 hours. Standard configuration is considered to one battery, a 1024 X 768 (64k colors) 14.1" panel set at 50 percent brightness, 128-MB RAM and no drives other than the hard drive active.

⁷ Standard 24X Max CD-ROM data transfer rates currently vary from 150Kbps to 3600Kbps.