Operating Systems Used in Embedded Systems - Volume 4: Multi-Core Components and Tools

Description:  As part of its Embedded Software 2008 Market Intelligence Service, VDC Research Group (VDC) is pleased to release a study covering the worldwide market for software solutions used to enable the development and/or deployment of embedded devices/systems incorporating multi-core processors.

Specifically, our research efforts focused on the market for:

- Real-time operating systems (RTOSs), non real-time operating systems, as well as mobile application operating systems used in embedded applications. Licensing revenue derived from products bundled with the sale of embedded operating systems is also included;
- Communication/Protocol/Middleware stacks designed exclusively to address challenges associated with the development of multi-core systems;
- Microkernel and operating system virtualization solutions executing on the target device/system;
- Compilers, debuggers, editors, and corresponding integrated development environments used in the development of embedded software;
- JTAG debuggers, in-circuit emulators (ICE) and debugging devices, and other related products that enable debugging connectivity to the hardware platform and support the use of software development tools;
- Software and system modeling tools intended to facilitate the process of developing object-oriented and/or event-driven software and systems. This segment includes UML, SysML, and SDL-based modeling environments, as well as UML-based state chart/machine tools used for model-driven design. Also included are proprietary-language-based software and system modeling tools typically intended to automate the process of designing and simulating dynamic systems and control applications that often interact with complex physical phenomena; and
- Maintenance, support, and professional services related to the above products and in conjunction with the development of devices/systems incorporating multi-core processors.

The report contains estimates for 2007 revenues from software solutions specifically used in the development or deployment of embedded devices/systems incorporating multi-core processors and forecasts of shipments through 2010. Estimates and forecasts are segmented by:

- Product Category
- Industry
- Geographic Regions
- Leading Vendor/Supplier (Based on 2007 estimates of shipments)

Report Statistics

Market Forecast Coverage: 2007-2010
Total Pages: 72
Total Exhibits: 25
Phone Survey Sample: 27
Web Survey Sample: 797
Profiled Vendors: 14

Contents:  I EXECUTIVE SUMMARY
MARKET OVERVIEW
STRATEGIC ISSUES, TRENDS, AND MARKET DRIVERS
MARKET ESTIMATES AND FORECASTS
COMPETITIVE LANDSCAPE
KEY SUMMARIES AND OBSERVATIONS

II SCOPE AND METHODOLOGY
SCOPE
METHODOLOGY
Definitions
Industry Segmentation
Product Category Segmentation
Regional Segmentation

III MARKET OVERVIEW
MARKET OVERVIEW
When Moore is Less
An Evolution, Not a Revolution

IV STRATEGIC ISSUES, DRIVERS, AND TRENDS
TRENDS
Are We There Yet? A Growing Number of Developers using Multi-Core
More Developers Evaluating Hybrid Designs
Multi-Core Driving Investment in Commercial Software Solutions
From Tethered to Mobile – Multi-Core Use Growing
A Global Phenomenon
Legacy Code Impacting Embedded Multi-Core Processing
Multi-Core Use Fueling Use of OS Virtualization Solutions
Standardization and Best Practices to Facilitate Multi-Core Adoption
KEY MARKET DRIVERS
KEY MARKET INHIBITORS

V MARKET ESTIMATES AND FORECASTS
MARKET ESTIMATES – CURRENT AND FORECAST

VI COMPETITIVE ANALYSIS
MARKET SHARE LEADERS AND POSITIONING
Wind River Systems
Lauterbach
ARM
Green Hills Software
Symbian Limited
QNX Software Systems
Enea
Microsoft
MontaVista Software
VirtualLogix
National Instruments
PolyCore Software
Other Software Markets
Additional Competitive Forces

VII VENDOR PROFILES
- Arm Holdings Plc
- Codeplay Software Ltd
- Enea
- Esol Co., Ltd
- Green Hills Software
- Lauterbach
- Mentor Graphics
- Montavista Software
- National Instruments
- Polycore Software, Inc
- QNX Software Systems
- Symbian
- VirtualLogix
- Wind River Systems

VIII SUMMARIES AND OBSERVATIONS
LIST OF EXHIBITS

III MARKET OVERVIEW
III-1 Current and Expected Characterization of Processor Design (Percent of Respondents)

IV STRATEGIC ISSUES, DRIVERS, AND TRENDS
IV-1 Importance of Factors in Selection of Embedded Operating System (Average of Respondents; 1 = Not at all Important, 5 = Very Important)
IV-2 Importance of Factors in Selection of Software/system Development Tools (Average of Respondents; 1 = Not at all Important, 5 = Very Important)
IV-3 Current and Expected Use of Multiprocessing Methodologies (Percent of Respondents)
IV-4 Current and Expected Multi-core/processor Configuration (Percent of Respondents)
IV-5 Total Cost of Development ($US) (Average of Respondents)
IV-6 Percentage of the Total Development Cost Attributed to Software Development (Average of Respondents)
IV-7 Percentage of the Total Software Development Cost Attributed to Commercial Software Licensing (Average of Respondents)
IV-8 Multi-Core and Multi-Core and Multiprocessor Respondents, Segmented by Vertical Market (Percent of Respondents, N = 18)
IV-9 Survey Respondents by Vertical Market, Segmented by Current and Expected Processor Design (Percent of Respondents)
IV-10 Survey Respondents by Vertical Market, Segmented by Current and Expected Multiprocessing Methodology (Percent of Respondents)
IV-11 Survey Respondents by Vertical Market, Segmented by Current and Expected Multi-Core/Processor Configuration (Percent of Respondents)
IV-12 Survey Respondents by Geographic Region, Segmented by Current and Expected Processor Design (Percent of Respondents)
IV-13 Percent of Application Code Leveraged from Previous Designs by Multiprocessing Methodology (Average of Respondents)
IV-14 Percent of Application Code Leveraged from Previous Designs by Industry (Average of Respondents)
IV-15 Current and Expected Use of Operating System Virtualization on the Target Device/system (Percent of Respondents)
IV-16 Primary Advantages Associated with Operating System Virtualization Technology (Percent of Respondents, N = 254)

V MARKET ESTIMATES AND FORECASTS
V-1 Worldwide Shipments of Multi-Core Components and Tools, and Related Services Through 2010 (Millions of Dollars)
V-2 Worldwide Shipments of Multi-Core Components and Tools, and Related Services, Segmented by Product Category (Percent of Dollars)
V-3 Worldwide Shipments of Multi-Core Components and Tools, and Related Services, Segmented by Product Category; 2007-2010 (Millions of Dollars)
V-4 Worldwide Shipments of Multi-Core Components and Tools, and Related Services, Segmented by Geographic Region (Percent of Dollars)
V-5 Worldwide Shipments of Multi-Core Components and Tools, and Related Services, Segmented by Geographic Region; 2007-2010 (Millions of Dollars)
V-6 Worldwide Shipments of Multi-Core Components and Tools, and Related Services, Segmented by Leading Vendors (Percent of Dollars)
V-7 Worldwide Shipments of Multi-Core Components and Tools, and Related Services, Segmented by Vertical Market; 2007-2010 (Millions of Dollars)

VI COMPETITIVE ANALYSIS
VI-1 Worldwide Shipments of Multi-Core Components and Tools, and Related Services, Segmented by Leading Vendors (Percent of Dollars)

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