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▶ **Virtex-II Pro Platform FPGA Series**

- Virtex-II Pro: Introduction and Ordering Information 90 KB (v1.0) 01/31/02
- Virtex-II Pro: Detailed Functional Description 510 KB (v1.0) 01/31/02 **NEW!**
- Virtex-II Pro: DC and Switching Characteristics 240 KB (v1.0) 01/31/02 **NEW!**
- Virtex-II Pro: Pinout Tables 880 KB (v1.0) 01/31/02 **NEW!**
- Virtex-II Pro Complete Data Sheet (All Four Modules) 1.6 MB (v1.0) 01/31/02 **NEW!**
- Virtex-II Pro Module Descriptions ([Browser needed](#))
- Virtex-II Pro Platform FPGA Handbook (v1.0) 01/31/02 **NEW!**

▶ **Virtex-II 1.5V Platform FPGAs**

- Virtex-II: Introduction and Ordering Information 130 KB (v1.7) 10/02/01
- Virtex-II: Detailed Functional Description 540 KB (v1.9) 11/29/01
- Virtex-II: DC and Switching Characteristics 290 KB (v2.1) 01/08/02
- Virtex-II: Pinout Tables 1.33 MB (v1.6) 11/07/01
- Virtex-II Platform FPGA Complete Data Sheet (All Four Modules) 2.10 MB 01/08/02
- Virtex-II Platform FPGA Module Descriptions ([Browser needed](#))
- Virtex-II Platform FPGA Handbook (v1.3) 12/03/01

▶ **Virtex Series**

— **Virtex-E Extended Memory 1.8V FPGAs**

- Virtex-E Extended Memory: Introduction and Ordering Information 50 KB (v1.4) 04/02/01
- Virtex-E Extended Memory: Detailed Functional Description 560 KB (v2.0) 11/09/01
- Virtex-E Extended Memory: DC and Switching Characteristics 160 KB ((v2.1_ 02/01/02
- Virtex-E Extended Memory: Pinout Tables 220 KB (v1.5) 07/23/01
- Virtex-E Extended Memory: Complete Data Sheet (All Modules) 950 KB 02/01/02 **UPDATE!**
- Virtex-E Extended Memory: Module Descriptions 02/01/02 ([Browser needed](#))

— **Virtex-E 1.8V FPGAs**

- Virtex-E: Introduction and Ordering Information 50 KB (v2.2) 11/09/01
- Virtex-E: Detailed Functional Description 575 KB (v2.3) 11/09/01
- Virtex-E: DC and Switching Characteristics 180 KB (v2.7) 02/01/02 **UPDATE!**

Virtex-E: Pinout Tables  740 KB (v2.3) 11/15/01

Virtex-E: Complete Data Sheet (All Modules)  1.5 MB 02/01/02 **UPDATE!**

Virtex-E: Module Descriptions 02/01/02 ([Browser needed](#))

— Virtex 2.5V FPGAs

Virtex: Introduction and Ordering Information  40 KB (v2.5) 04/02/01

Virtex: Detailed Functional Description  215 KB (v2.6) 07/23/01

Virtex: DC and Switching Characteristics  155 KB (v3.0) 02/01/02 **UPDATE!**

Virtex: Pinout Tables  165 KB (v2.75) 07/23/01

Virtex: Complete Data Sheet (All Modules)  560 KB 02/01/02 **UPDATE!**

Virtex: Module Descriptions 02/01/02 ([Browser needed](#))



▶ Spartan Series

— Spartan-IIE 1.8V FPGAs

Spartan-IIE: Introduction and Ordering Information  100 KB (v1.0) 11/15/01

Spartan-IIE: Detailed Functional Description  300 KB (v1.0) 11/15/01

Spartan-IIE: DC and Switching Characteristics  100 KB (v1.0) 11/15/01

Spartan-IIE: Pinout Tables  700 KB (v1.1) 12/20/01

Spartan-IIE: Module Descriptions ([Browser needed](#))

— Spartan-II 2.5V FPGAs

Spartan-II: Introduction and Ordering Information  40 KB (v2.3) 11/01/01

Spartan-II: Detailed Functional Description  460 KB (v2.1) 03/05/01

Spartan-II: DC and Switching Characteristics  150 KB (v2.4) 08/28/01

Spartan-II: Pinout Tables  40 KB (v2.4) 04/30/01

Spartan-II: Module Descriptions ([Browser needed](#))

— Spartan 5V and Spartan-XL 3.3V FPGAs

Spartan/XL: Complete Data Sheet  860 KB (v1.6) 09/19/01



▶ Configuration Solutions


— System ACE

System ACE CompactFlash Solution  800 KB (v1.4) 01/03/02

System ACE SC Solution  350 KB (v1.0) 09/25/01

System ACE MPM Solution  295 KB (v1.0) 09/25/01

— Configuration PROMs

XC18V00 Series of In-System Programmable Configuration PROMs  240 KB (v3.2) 02/27/02 **UPDATE!**

XC17V00 Series Configuration PROMs  150 KB (v1.6) 02/27/02 **UPDATE!**

XC1700E and XC1700L Series Configuration PROMs  125 KB (v3.1) 07/05/00

Spartan-II/IIE Family of PROMs  100 KB (v1.5) 11/15/01

Spartan/XL Family of PROMs  115 KB (v1.8) 10/10/01

— Configuration Hardware

Parallel Cable IV  250 KB (v1.3) 02/08/02 **UPDATE!**

HW-130 Programmer  30 KB (v1.5) 01/13/00

 **CPLD Products**

— **CoolRunner-II CPLDs**

CoolRunner-II CPLD Family  150 KB (v1.0) 01/03/02

XC2C64: 64 Macrocell CoolRunner-II CPLD  100 KB (v1.0) 01/03/02

— **CoolRunner XPLA3 CPLDs**

CoolRunner XPLA3 CPLD Family  113 KB (v1.5) 01/07/02

XCR3512XL: 512 Macrocell CPLD  108 KB (v1.3) 01/08/02

XCR3384XL: 384 Macrocell CPLD  101 KB (v1.4) 01/08/02

XCR3256XL: 256 Macrocell CPLD  93 KB (v1.9) 01/08/02

XCR3128XL: 128 Macrocell CPLD  86 KB (v1.8) 01/08/02

XCR3064XL: 64 Macrocell CPLD  77 KB (v1.6) 01/08/02

XCR3032XL: 32 Macrocell CPLD  78 KB (v1.5) 01/08/02

— **XC9500XV 2.5V ISP CPLDs**

XC9500XV: 2.5V ISP CPLD Family  190 KB (v2.0) 01/15/01

XC95288XV: 2.5V ISP CPLD Family  100 KB (v2.2) 08/27/01

XC95144XV: 2.5V ISP CPLD Family  80 KB (v2.2) 08/27/01

XC9572XV: 2.5V ISP CPLD Family  70 KB (v2.2) 08/27/01

XC9536XV: 2.5V ISP CPLD Family  70 KB (v2.2) 08/27/01

— **XC9500XL 3.3V ISP CPLDs**

XC9500XL: 3.3V ISP CPLD Family  140 KB (v1.5) 06/07/99

XC95288XL: 3.3V ISP CPLD Family  70 KB (v1.4) 03/19/01

XC95144XL: 3.3V ISP CPLD Family  80 KB (v1.2) 11/13/98

XC9572XL: 3.3V ISP CPLD Family  140 KB (v1.1) 08/28/00

XC9536XL: 3.3V ISP CPLD Family  80 KB (v1.2) 08/27/01

— **XC9500 5V ISP CPLDs**

XC9500: 5V ISP CPLD Family  130 KB (v5.0) 09/15/99

XC95288: 5V ISP CPLD Family  70 KB (v4.0) 09/15/99

XC95216: 5V ISP CPLD Family  80 KB (v3.1) 08/21/01

XC95144: 5V ISP CPLD Family  70 KB (v4.0) 12/04/98

XC95108: 5V ISP CPLD Family  70 KB (v3.0) 12/04/98

XC9572: 5V ISP CPLD Family  60 KB (v3.0) 12/04/98

XC9536: 5V ISP CPLD Family  60 KB (v5.0) 12/04/98



 **QPro QML Certified and Radiation Hardened Products**

QPro Virtex 2.5V QML High-Reliability FPGAs  288 KB (v1.5) 12/05/01


QPro Virtex 2.5V Radiation Hardened FPGAs  182 KB (v1.2) 11/05/01

QPro XC4000E/EX High-Reliability FPGAs  305 KB (v2.2) 06/25/00

QPro XC4000XL QML High-Reliability FPGAs  171 KB (v1.3) 06/25/00

QPro XCR4000XL Radiation Hardened FPGAs  165 KB (v1.1) 06/25/00

QPro XQ/XQR18V04 QML Programmable Configuration PROMs  170 KB (v1.1) 11/05/01

QPro Family Configuration PROMs (XQ and XQR)  90 KB (v3.1) 11/05/01

QPro Family of XC1700D QML Serial Configuration PROMs  90 KB (v2.1) 06/07/00



 **IRL Technology for Field Upgradability**

PAVE Framework for IRL Applications  63 KB (v1.0) 09/17/01

PAVE User Guide



▶ **XC4000 Series FPGAs**

— **XC4000XLA FPGAs**


XC4000XLA: Description  80 KB (v1.2) 05/01/99

XC4000XLA: Electrical Characteristics  90 KB (v1.3) 10/01/99

XC4000XLA: Pinout Tables  170 KB (v1.4) 06/01/01

— **XC4000E/XL FPGAs**

XC4000E/XL FPGAs: Description  710 KB (v1.6) 05/01/99


XC4000XL FPGAs: Electrical Characteristics  80 KB (v1.7) 10/01/99

XC4000E FPGAs: Electrical Characteristics  90 KB (v1.6) 05/01/99

XC4000E/XL FPGAs: Pinout Tables  300 KB (v1.7) 10/01/99



▶ **XC3000 and XC5200 Series FPGAs**

XC3000 FPGAs (XC3000A/L, XC3100A/L)  730 KB (v3.1) 11/09/98

XC5200 FPGAs  600 KB (v5.2) 11/05/98