

Matrix-504/504D/504T (Linux 搭載 Box 型 小型コンピュータ)

- ARM9 400MHz 搭載 Linux Box 型小型コンピュータ
OS は Linux V2. 6. 29 を標準サポート
- Flash 128MB, SDRAM 64MB
- LAN 1CH, RS232C/422. 485 4ch
- USB HOST V2. 0 2ch
- 広範囲な電源入力 DC9V~48V
- 厳しい動作環境対応品別途用意 (Matrix-504T)
動作温度範囲-20°C~80°C品
- SD Socket (32GB) 1ch 搭載品 (Matrix-504D)
- 機器組込使用としてボードのみ販売も対応
型番:Matrix-504/504D/504T-B



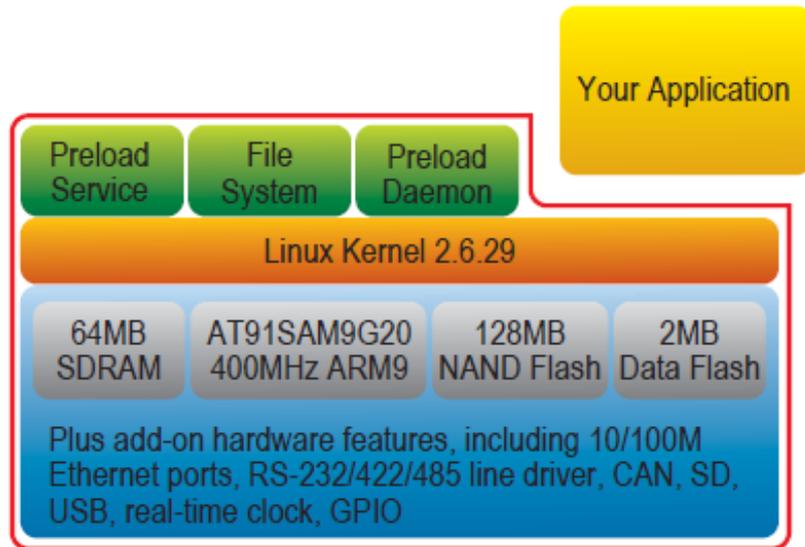
仕様

| | | |
|---------|-------------------------------|--|
| 性能 | CPU | ATMEL 400MHz ARM9(AT91SAM9G20) |
| | RAM | 64MB SDRAM |
| | Flash ROM | 128MB NAND Flash 2MB NAND Flash(Data Flash) |
| I/O | LAN | 1 x 10/100Mbps (RJ45) |
| | SD Socket | 1 x SD Micro socket (筐体内部) Matrix-504D |
| | Serial | 1 x RS232C/422/485 Baudrate Max921.6Kbps Data bit 5,6,7,8 Stop 1,1.5,2 Flow RTS/CTS,XON/XOFF,None *RS485 Direction control AUTO(Hardware) |
| | | 3 x RS232C/RS485 Baudrate Max921.6Kbps Data bit 5,6,7,8 Stop 1,1.5,2 Flow RTS/CTS,XON/XOFF,None *RS485 Direction control AUTO(Hardware) |
| USB 2.0 | 2 x Host (USB V2.0) | |
| Linux | OS | Linux kernel V2.6.29 |
| | Boot Loader | U-Boot 1.1.2 |
| | File System | UBI,JFFE2,EXT2/EXT3,VFAT/FAT,NFS |
| 環境温度 | 動作温度 | 0 °C~70°C(Matrix-504/504D) -20°C~80°C(Matrix-504T) |
| | 保存温度 | -20°C~70°C |
| 電源 | 入力 | DC9V~DC48V |
| サイズ | 78mm x 108mm x 24mm | |
| その他 | リアルタイムクロック、WatchDog 機能内蔵、ブザー付 | |

*アプリ開発環境 (SDK) は別途、ご提供します。また、アプリケーションの開発もご相談ください。

*貸出機器を用意しています。問い合わせください。

System Architecture



シリーズ製品

Matrix-604

AT91 9670, WinCE 6.0 Box Computer with 1x LAN, 4x RS-232/422/485 COM ports and 2x USB Hosts

- ✓ WinCE 6.0 computing platform with the system
- ✓ CPU: AT91 AT91SAM9G20, 400MHz
- ✓ Mem: 128MB, NAND type
- ✓ SDRAM: 64MB
- ✓ DataFlash: 2MB
- ✓ Failover mechanism against system crash
- ✓ Ethernet: 1x, 10/100Mbps
- ✓ COM Ports: 4x, RS-232/422/485
- ✓ USB Hosts: 2x, USB 2.0 compliant
- ✓ Power Input: 9~40VDC, 300mA@12V
- ✓ GPIO Libraries and Real-time included
- ✓ Supports WinCE and RT-Compact Framework 3.0



- ☒ Data Sheet
- ☒ User Guide



Matrix-518

AT91 9620, Linux ready Box Computer with 2x LANs, 6x RS-232/422/485 TTYs, 2x USB Hosts, 2x CPUs and 1x Audio Out

- ✓ Linux 2.6.29 computing platform with the system
- ✓ CPU: AT91 AT91SAM9G20 w/PMU, 400MHz
- ✓ Mem: 128MB, NAND type
- ✓ SDRAM: 64MB
- ✓ DataFlash: 2MB
- ✓ mini-SD socket (up to 32GB)
- ✓ Failover mechanism against system crash
- ✓ Ethernet: 2x, 10/100Mbps
- ✓ TTYs: 6x, RS-232/422/485
- ✓ USB Hosts: 2x, USB 2.0 compliant
- ✓ Power Input: 9~40VDC
- ✓ GPIO/Ce++ hardware for Linux and Windows



- ☒ Data Sheet
- ☒ User Guide

Matrix-505

AT91 9645, Linux-ready Box Computer with 2x LANs, 1x RS-232/422/485, 3x RS-232/485 TTYs and 2x USB Hosts (up to 480Mbps)

- ✓ Linux 2.6.29 computing platform with the system
- ✓ CPU: AT91 AT91SAM9G45, 400MHz
- ✓ Mem: 128MB, NAND type
- ✓ UDMA NAND: 128MB
- ✓ DataFlash: 2MB
- ✓ mini-SD socket (up to 32GB)
- ✓ Failover mechanism against system crash
- ✓ Ethernet: 2x, 10/100Mbps
- ✓ TTYs: 1x, RS-232/422/485, 3x RS-232/485
- ✓ USB Hosts: 2x, USB 2.0 compliant, supports high speed mode (480Mbps)
- ✓ Power Input: 9~40VDC, 300mA@12V
- ✓ GPIO/Ce++ hardware for Linux and Windows



- ☒ Data Sheet
- ☒ User Guide

Dual LANs, 480Mbps USB

Matrix-516

AT91 9620, Linux ready Box Computer with 2x LANs, 6x Terminated RS-485 TTYs, 2x USB Hosts, 2x CPUs

- ✓ Linux 2.6.29 computing platform with the system
- ✓ CPU: AT91 AT91SAM9G20 w/PMU, 400MHz
- ✓ Mem: 128MB, NAND type
- ✓ SDRAM: 64MB
- ✓ DataFlash: 2MB
- ✓ mini-SD socket (up to 32GB)
- ✓ Failover mechanism against system crash
- ✓ Ethernet: 2x, 10/100Mbps
- ✓ TTYs: 6x isolated RS-485, 25000ma solution
- ✓ USB Hosts: 2x, USB 2.0 compliant
- ✓ Power Input: 9~40VDC
- ✓ GPIO/Ce++ hardware for Linux and Windows



- ☒ Data Sheet

Isolated RS-485

社名および商品名は各社の商標または登録商標です。本仕様は改良のため予告なく変更することがあります。

開発・製造元

ジョイントリンク株式会社 (Jointlink Co., Ltd.)

〒101-0032 東京都千代田区岩本町 1-4-4 神田第4パーク B 8F

TEL 03-3866-8916 FAX 03-5825-8381

URL://www.jointlink.co.jp/

担当: 松永 (matsunaga@jointlink.co.jp)

販売元