

AT 7208 Router

— High-performance, Core Aggregation Router

As the newest high-end router proudly presented by ANDA Telecom (AT), AT 7208 has achieved high performance, high density and usability at a very competitive per-port cost. Its modular design, industry-leading maintainability and manageability give users an extensible networking solution in terms of various density, performance and usability.

AT 7208 router utilizes PowerPC embedded CPU, provides 2 10/100/1000M electrical/optical Ethernet ports, 1 10/100M TX Ethernet port, and 8 multifunctional slots, to meet various needs for core routers, including those of telecom carriers, large- and medium-sized enterprises.



AT 7208

Application

- Aggregation level of enterprise networks.
- Gigabit core of large- and medium-sized enterprise networks.

Features

Architecture

- Complete modular design. MCU, chassis, power supply, and WAN interface are separate from each other, boosting usability, flexibility and extensibility.

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar, New Delhi – 110024, INDIA

Tele Fax : +91 11 41323629, +91 93 502 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com



Turning Copper into Gold

High performance/price ratio

- At a very competitive price, up to 400 Kpps processing power makes AT 7208 the most powerful single-processor router platform.

Tight security

- Support for PPTP, L2TP, IPSEC, GRE, and MPLS to deploy L2/L3 VPN's of various types, saving enterprises from expensive leased lines.

Rich connection options

- 155-M POS/CPOS, CE3 and other hi-speed interface modules, various high-port-density LAN/WAN connection options, greatly lowering cost per port, and supporting flexible deployment.

Consummate QoS mechanism

- DiffServ, RSVP, CAR, FIFO/PQ/CQ/CBWFQ and other queuing strategies, congestion prevention mechanisms (RED, WRED).

MPLS VPN

- MPLS forwarding and MPLS L2/L3 VPN to implement transparent Ethernet internetworking.

Compatibility

- Compatible with RFC and mainstream industry standards. Interconnecting with different mainstream products at each layer of the network.

BDROS support

- AT Router Operating System (BDROS) presents configuration interface in a popular style, and with online help, it is easy to use. Its modular design is centered around IP services, and can be trimmed or extended to fit applications. BDROS owns over 6,000 features.

Specifications

Packet Forwarding Rate	400 Kpps
Memory	256 M
Flash	32 M
Boot ROM	512 K

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NVRAM	128 K
Slot	8
Ports(RPU)	2 * 10/100/1000M Electrical/Optical Combo Ports 1 * 10/100M Electrical Ethernet Port 1 * Console Port 1 * AUX Port
Module	NM/EM network/voice modules
Reliability	Double power supplies.
Chassis	Standard 19-inch chassis
Heat Dissipation	Air flow: right to left
Dimensions (L × W × H)	440 mm × 450 mm × 156 mm
Weight	10 kg
Power Supply	AC: 100 ~ 240 V, 47 ~ 63 Hz, 4A/230V; DC: -40 ~ -56 V, 6A
Power Consumption	200 W (max.)
Temperature	Operating: 0 ~ 40°C, non-operating: -20 ~ 65°C
Humidity	Operating: 10 ~ 85%, non-operating: 5% ~ 95% (no condensing)

Order Information

R7208-Chassis	AT 7208 chassis, backplane, fan (8 network/voice slots)
R72-MCU	MCU for AT 7208 (1 CONSOLE, 1 AUX, 2 Gigabit Ethernet ports, 1 100-M Ethernet port)
R72-PWR-AC	Power supply for AT 7208
R72-PWR-DC	Power supply for AT 7208
EM-16CE1	16-port Channelized E1 Module
EM-8CE1	8-port Channelized E1 Module
EM-4CE1	4-port Channelized E1 Module
NM-1CE1	1-port Channelized E1 Module
NM-4UE1	4-port Unchannelized E1 Module
EM-1CE3	1-port Channelized E3 Module
EM-4CT1	4-port T1 Module
EM-8CT1	8-port T1 Module
EM-16CT1	16-port T1 Module

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EM-1CPOS-OC3/STM-1-SFP	1-port OC-3c/STM-1 (155 M) Channelized POS interface module
EM-1POS-OC3/STM-1-SFP	1-port OC-3c/STM-1 (155 M) POS interface module
NM-1FE-TX	1-port Fast Ethernet electrical interface module (RJ45)
NM-1FE-FX (MM)	1-port Fast Ethernet optical interface module (multi-mode)
NM-1FE-FX (SM)	1-port Fast Ethernet optical interface module (single-mode)
NM-4T	4-port hi-speed (<= 2M) general serial module
NM-8A/S	8-port low-speed(<=128K) general serial module
NM-8ASY	8-port async serial module
NM-16ASY	16-port async serial module
NM-1E1T1B-S/T	1-port Ethernet, 1-port Serial and 1-port ISDN BRI Module
NM-1E2T	1-port Ethernet and 2-port Serial Module
NM-2T1B	2-port Serial and 1-port ISDN BRI Module

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