



American Access Technologies Standard Product Line:

American Access Technologies manufactures a complete line of patented, UL-approved (UL-50, 1863, 2043) Zone Cabling Termination Enclosures to replace conventional telecommunications wiring with a system that provides complete flexibility for voice and data cabling infrastructures. Our products include:

Ceiling Enclosures

- A1222-LP** – A passive communications closet that mounts in one half of a 2x4 ceiling tile grid. This unit can house a vast variety of connecting equipment, from two 300-pair, 110 punch-down blocks, to two 48-port (RJ-45) patch panels with wire management(see A1222-PP). Cabling openings can handle 96 four-pair cables. This enclosure is sold as a complete assembly that includes foam kits for plenum applications. Also available in a full 2x4 design as A1024-LP. See www.aatk.com for additional information.
- A1222-PP** – This is the A1222-LP with a rack for patch panel applications. The A1222-PP will hold two 48-port patch panels and one 24-port patch panel. This enclosure is also sold as a complete assembly that includes plenum-rated foam penetration kits. Also available in a full 2x4 design as A1024-PP. See www.aatk.com for additional information.
- A1222-HR** – This enclosure is an active communication closet that mounts in one half of a 2x4 ceiling tile grid. This enclosure can house a Hub, Switch or Router as well as two 48-port patch panels and one 24-port patch panel. The Switches, Hubs, and Routers can be as deep as 15” and as tall as 3.5”. This cabinet has 4 cubic feet of space, and a 9 CFM/12VDC fan system. Sold complete, including a 2U-DM-HR assembly and two plenum-rated foam kits. Also available in a full 2x4 design as A1024-HR. See www.aatk.com for additional information.

Wireless Enclosures

- WA064-CAP** – This ceiling enclosure is plenum rated and mounts into standard ceiling tiles. It includes a mounting plate that will accommodate a wide variety of wireless telecommunications equipment, including most standard wireless access points. 12.7” x 10”. It comes equipped with 4 support brackets, mounting doorplate, lock assembly and fire-rated foam kits.
- WA064-WAP** – This wall mount enclosure also includes lock assembly and is steel constructed for security. This wireless enclosure is 11.5” x 8.5” and can be mounted in any orientation for flexibility. It comes with mounting hardware and lock as standard.

Raised Floor Enclosures

6. **A0422-RF** – For 4” raised floors, this unit is 2” deep by 24” square and can house up to two 24-port patch panels. This enclosure includes a plenum-rated foam kit allowing access from all four sides of the enclosure and is supported in the floor by 4 brackets that attach to the surrounding posts.
7. **A0622-RF** – For 6” raised floors, this unit is 4” deep by 24” square and can house up to two 48-port patch panels. The patch panels are mounted at 45-degree angles to maintain the cable- bending radius. This enclosure includes a plenum-rated foam kit allowing access from all four sides of the enclosure and is supported in the floor by 4 brackets that attach to the surrounding posts.
8. **A0822-RF** – Designed for 8” raised floors, this cabinet is 6” deep by 24” square and can house up to 192 four-pair cables, offering more flexibility than the A0622-RF. The rack frames are on two sides, mounted at a 45-degree angle. This enclosure also includes a plenum-rated foam kit and a mounting bracket kit.
9. **A1422-RF** – This is the ultimate cabinet for data centers, fiber distribution, and 14” or deeper raised-floor applications. This enclosure measures 12” deep and 24” square, with a 21” rack running down both sides, providing serious capacity, twice as much as the A0822-RF unit. It also includes a plenum-rated foam kit and a mounting bracket kit.
10. **A1411-RF-HR** – This enclosure is an active communications closet that mounts in 14” or deeper raised floor applications. This enclosure includes the same rack that is included with the A1222-HR. The A1411-RF-HR is 12” deep and can house a Hub, Switch or Router as well as two 48-port patch panels and one 24-port patch panel. The Switches, Hubs, and Routers can be as deep as 15” and as tall as 3.5”. This cabinet has 4 cubic feet of space, and a 9 CFM/12VDC fan system. Sold complete, including a 2U-DM-HR assembly and two plenum-rated foam kits.

More information about the above enclosures can be obtained on our website at www.aatk.com.

APPLICATIONS:

Zone Cabling is today’s preferred method of routing copper and fiber-optic cables for computer, telephone and video transmissions. The \$268 billion telecommunications industry is demanding higher speed switching and cabling, and new ways to connect cabling in commercial and industrial buildings.

Exponential industry growth and heightened demand have led to much needed advancements in communications cabling design. Zone Cabling, also known as Zone Distribution, is being recognized as the most viable means of distributing horizontal cabling within a Local Area Network. Zone Cabling gives increased flexibility, performance, and scalability needed in today’s Communications Networks. Zone Cabling also allows for much shorter network “downtime” when reconfiguring modular furniture and high-tech, high churn office environments, keeping work-area disruption to a minimum. Long-term installation and material *costs can be cut by as much as 70%* when using a Zone Cabling design. American Access Technologies’ unique Zone Cabling Termination Cabinets are a “Technology Platform”, supporting all of the popular Zone Cabling designs being used in the Industry today. Our Zone Cabling Termination

Cabinets can be used as Consolidation Points, Multi User Outlets for passive applications, as well as Fiber to Copper Conversion/Switching points for active, “distributed hub” designs.

Zone Cabling is extremely useful and appropriate in the following areas:

1. **SCHOOLS:** Older schools still in use today were not designed to include computer labs, multiple phone and fax lines, and media centers for video transmission, all necessary components for students’ success competing in today’s global economy. No school built prior to 1986 has a telecommunications closet, now perceived as a costly problem to solve. Installing the A1024-HR Series is an easy and cost effective answer to the problem by simplifying upgrades while keeping installation costs reasonable.
2. **COLLEGES:** Because college campuses are usually spread over acres, the distance from the telecommunications closet to the work area exceeds the limits required by the TIA Standards. When fiber is employed as a backbone to an active device in the A1024-HR cabinet, voice, data, fiber and low-volume control are easy to manage.
3. **MULTI-TENANT HIGH RISE BUILDING:** Management usually spends a fortune renovating an office building for a new tenant. Re-cabling workstations and reconfiguring multi-tenant offices is most efficient using our cabinets, eliminating long periods of downtime and significantly reducing the amount of cable scrapped when moving tenants in and out.
4. **BANKS:** Most banks approach zone cabling with raised-floor applications, initially very expensive, but necessary because bank ceilings are often high, and pathways may not be available to run cables to the workstations. The A-RF Series for raised floor environments can contain costs and will accommodate a bank’s need for extensive Moves, Adds and Changes (MACs).
5. **DATA CENTERS:** Most data centers use raised floor applications for cabling. In high density, data cabling environments, miles of wire and cable can get lost, twisting like spaghetti under the floor. For the first time, an enclosure to solve this problem has been designed as a Consolidation Point. The A-RF Series is the answer for Voice, Data and Fiber distribution in this application.
6. **CALL CENTERS:** Call centers employ many people in small work areas, generating a need for constant MACs. The A1024-LP or the A1024-LP-PP would save these Call Centers a considerable amount of time and money, used as a Consolidation Point or Cross-connect for voice and data cabling.
7. **MANUFACTURING FACILITIES:** Most of the equipment in the high-tech manufacturing world runs on High-Speed, Gigabit communications. These speeds will not run on copper cables, except in short distances. So fiber is employed to the A 1024-HR unit mounted close to the area where it is needed, and the signal is converted from fiber to copper before being run a short distance to the equipment. Our cabinets have gained a reputation as the best answer to run Gigabit to the work group.