

Internet Connectivity Options

Appia offers a wide range of options to connect to the internet. The table below compares them. Your Appia salesperson or partner can provide pricing and help you decide which option best meets your needs.

Option*	Typical Use	Quality of Service	Bandwidth	Reliability	Build-Out
Cable	Data	None	Up to 1 GB port speed depending on location. Bandwidth shared with nearby users. Data limits depend on carrier	Subject to outages and service degradation	Usually none required
DSL	Data	None	Up to down 80Mb and 8Mb up. Bandwidth is dedicated back	Subject to outages	Usually none required
Appia Dedicated Circuit	Voice and/or data	Included	Each T-1 is 1.544 Mbps. Additional T-1s may be bonded together	Reliable with few outages**	Usually none required
Direct Internet Access	Data and/or voice	None	Each T-1 is 1.544 Mbps. Additional T-1s may be bonded together	Reliable with few outages**	Usually none required
Ethernet over Copper	Data and/or voice	Available	Up to 20 Mbps	Reliable with few outages**	Usually none required
Fast Ethernet	Data and/or voice	Available	Up to 100 Mbps	Reliable with few outages	Required if building is not lit***
Fiber	Data and/or voice	Available	Up to 10 GB	Reliable with few outages	Required if building is not lit***

*All options are delivered to a demarcation point in your building. Additional cost may be incurred to extend the connection to reach your equipment.

**Reliability varies with the carrier's facilities at a given location.

***Requirements for Fiber in Buildings without Existing Service

Please note that this is a very brief summary. We will be happy to provide detailed carrier requirements if desired.

Unless already available, customer typically needs to provide:

1. **Space** A room for the fiber equipment that meets environmental, accessibility and security requirements. Must provide room for a 19" or 23" rack or wall-mount. If mounted, the mount must be acceptable
2. **Conduit** A conduit/path from the property line to the fiber equipment location
3. **Electrical** Normally, one dedicated fused/breaker, 15 amps, properly grounded, 3-prong 110V AC outlet located within 6 feet of the fiber equipment location
4. **Cable** A cable supporting structure that meets the National Electric Code Standards and may be either a cable rack or a metallic EMT conduit.