



Celina Independent School District (ISD) achieves full mobility coverage throughout all of its campus locations using the Aastra SIP-DECT™ solution

The Celina ISD occupies 94 square miles in northwest Collin County TX, and a small area in Denton County TX. The District is comprised of three rapidly growing communities; Celina, Alla and Weston. Students are educated in four main buildings located throughout the district: an elementary school; a grade 4-6 intermediate school; a grade 7-8 junior high school; and a grade 9-12 high school with another high school on the way. In addition, the district has one main administration building, and an athletic complex housing the football field and home to the Celina Bobcats football team!

With over 10% of its near 200 faculty members moving about the campus throughout the day, the need to remain in touch with each other, and the outside community, in case of operational or security issues had grown to become a critical element of Celina's overall voice communications requirements.

Up until now, Celina had been using cellular phones to satisfy their mobility needs. This was not the ideal situation as cellular coverage could be spotty at times in the district, and did not work well in some of the buildings. In order to correct the situation, they started looking for a wireless technology that would not only provide coverage throughout all of its campus facilities, but integrate seamlessly with their recently installed VoIP telephone system.

After reviewing various wireless technologies, and having consulted a number of potential vendors, Celina opted for the Aastra SIP-DECT™ solution. "We had already installed a number of Aastra's SIP Telephones on our Asterisk-based IP system" said Bill Harris, Director of Technology at Celina. "They are performing very well, which made our decision to add Aastra's SIP-DECT solution a very easy and natural one."

The Challenge

- » Provide a scaleable and secure mobility solution that integrates with an Asterisk-based IP telephone system

The Solution

- » Aastra SIP-DECT™
- » 20 DECT 142 Handsets
- » 16 RFP 32 Access Points

The Benefits

- » Key faculty members can be reached anywhere on campus
- » Cost effective system with a quick pay-back and return on investment
- » Seamless mobility solution that is easy to deploy and expand

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Bill Harris
Director of Technology at Celina ISD

Situation

Celina recently installed an Asterisk-based telephone system creating an IP-based network throughout the district. In total, there are 140 desktop SIP telephones installed on the network. After making the decision to add a wireless component, they set out to find a system with three main prerequisites in mind; the solution would need to integrate with their current network easily, it must be secure, and, roaming capabilities with total coverage in all campus locations throughout the district would be the critical factors.

The Solution

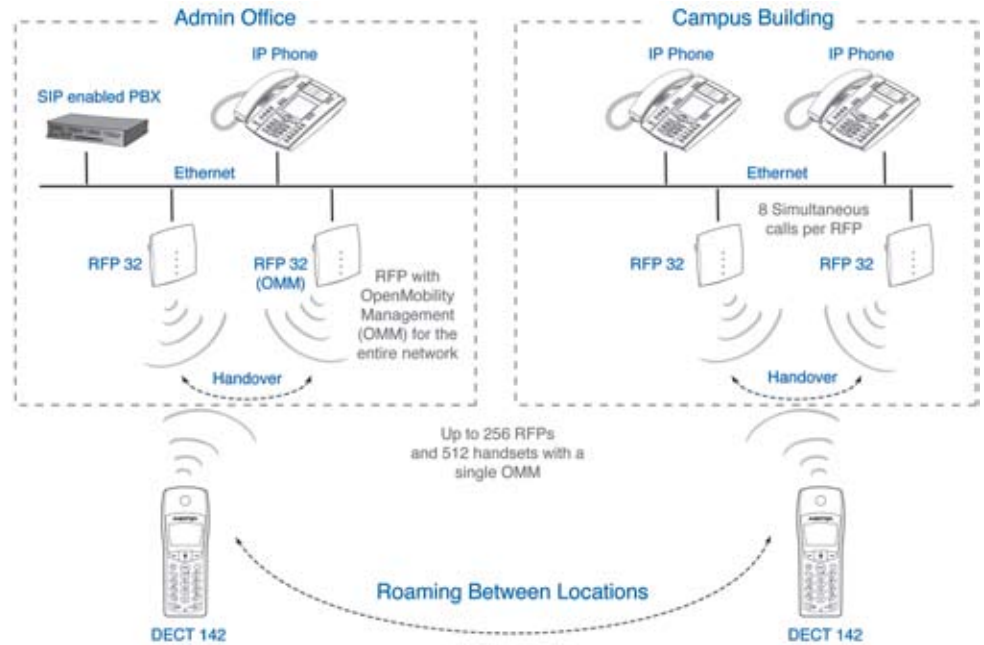
Celina installed an Aastra SIP-DECT™ solution comprised of; 20 DECT Handsets, 16 RFP Access Points and an OMM (Open Mobility Manager) system management component. Bill Harris and his team took less than 2 days to deploy the solution which included the installation of 16 Access Points throughout the district, and, the successful integration of the system into their existing Asterisk-based IP LAN network. "We were very pleased with how smooth the installation went" said Bill. "System configuration via the web based interface was very easy, and we were up and running in no time at all."

The Results

Celina now has a tightly integrated, secure and scaleable wireless solution that employs the latest in DECT technology. With seamless roaming coverage throughout the district, key faculty members now have access to all the features of a desktop system on their DECT handsets, and can remain in constant touch no matter where they go on campus. Furthermore, with the installation of their own mobility solution, Celina has been able to significantly reduce their monthly cellular charges.

Flexibility now and for the future

The Aastra SIP-DECT™ solution is completely flexible and can easily keep pace with the growth that Celina is currently experiencing, and any future expansion. Additional DECT handsets and Access Points can be added



to their present system as required ensuring that they always have a mobility solution for anyone on staff that requires it.

Summary of Benefits

- » DECT Technology offering reliable, high quality secure voice access with advanced authentication/encryption technology that provides protection from eavesdropping and unauthorized network access. In addition, as DECT operates in the 1.9 GHz band, it does not interfere with existing WiFi networks.
- » Flexible and Highly-Scalable system that leverages existing SIP-based infrastructures and IP networks providing a cost effective mobility solution that can easily grow to meet the needs of the business.
- » Simple deployment in most open-standard IP environments including; Hosted or Premised based using a SIP based IP-PBX, Hybrid PBX or Open Source PBX platform.

- » Enterprise-grade mobility solution that allows users to take the features and voice quality of their desktop telephone with them throughout their office environment, or to related office locations on the same corporate network, with full roaming and seamless handover support of active voice calls.
- » Considerable cost savings by replacing monthly cellular bills with an internal integrated solution resulting in a quick payback and return on investment.

