



ATLAS Voice Compression (VCOM) FAQs

Can I install a VCOM (Voice Compression) Module on any User Module in the ATLAS 550?

Yes, you can place a VCOM Module on any other User Module in the ATLAS 550. The resources are then available for use by each interface within the unit and are not 'tied' to the module on which they are placed.

NOTE: Only 2 VCOM cards can be placed within the ATLAS 550 at one time. The ATLAS 550 supports up to 32 simultaneous compressed voice calls.

Where do I place a VCOM (Voice Compression) Module if there are no User Modules in my ATLAS 550?

The Resource Host Module will support a VCOM module in the case where you do not have an available User Module for this purpose.

How many compressed voice calls does the ATLAS support?

The ATLAS 550 supports up to 30 compressed voice calls at any one time. The ATLAS 800^{Plus}/810^{Plus} supports up to 64 compressed voice calls at one time.

Does ATLAS support voice over frame relay?

Yes. ADTRAN offers Voice Compression modules for the ATLAS 800^{PLUS}/810^{PLUS}, available in 8, 16, 24, and 32 channel versions. Voice compression modules are also available for the ATLAS 550 in 4, 8, 16 and 24 channel versions. These modules use the G.723.1 algorithm to compress voice traffic down to 6.3 kbps. In addition, the module automatically detects fax transmissions and converts them back to their baseband component for transmission over the frame relay link.

What is the MOS score for voice compression in ATLAS?

The MOS for voice compressed using the G.723.1 algorithm that ATLAS uses is 3.9. For reference, G.726 voice compression (32 kbps ADPCM) achieved an MOS rating of 4.2.