



- **Highly featured PSTN interface**
- **Includes Transformer isolation**
- **On board Loop switch and Diode bridge**
- **Ringing and loop current detection**
- **Parallel phone detect**
- **Programmable to meet different country standards**
- **Tip/Ring polarity detect for CLI and on hook reception**
- **3V or 5V versions**
- **Simple integration**

The Ag2120 is a self-contained highly integrated PSTN Interface Circuit in a single module. This interface is sometimes referred to as a TRUNK, COIC FXO or DAA interface. The unit is available in Single In Line (SIL) or Dual In Line (DIL) packages. Package sizes SIL- 61mm(L) x 12mm(H) x 11mm(W) and DIL- 51mm(L) x 11mm(H) x 19mm(W). As with all Silvertel's products they comply with RoHS requirements. The Ag2120 meets international safety and regulatory requirements.

In addition to the features listed, the Ag2120 allows flexible programming of many functions, including the dc voltage mask and impedances. The device requires minimal

extra external components and has been specifically designed for ease of use that aids a reduced time to market.

The Ag2120 is designed for all applications, including those where there is a high level of common mode interference, such as PABX, long loop applications and systems without a ground connection.

The Ag2120 provides the ability of detecting line polarity reversal in both the on hook and off hook condition. This detection is required for various signalling techniques such as Caller Line Identification (CLI).

The Ag2120 complements our SLICS and is pin compatible where possible making them an ideal solution where SLIC and TRUNK interfaces are option defined allowing single PCB for all options.

These modules are ideal for PABX, VoIP gateways, Point of Sale Terminals, Set top boxes and alarm systems.

