Gilbarco has implemented a PCI compliant encrypted PIN pad (EPP). Contact Gilbarco for information on the CRIND software versions required to drive the EPP.

Several of Allied's ANDI and NeXGen systems support SDES and TDES (Triple DES) encrypted EPPs, however, it is important to note that the Gilbarco Security Module (GSM) is handled differently depending on the method of encryption. In certain scenarios, the GSM is not needed at all.

The "trigger" Allied's software uses to determine SDES or TDES and the presence of a GSM is the pre-defined CRIND keypad type value set at the point-of-sale (POS).

The purpose of this bulletin is to list the various site configuration scenarios one may encounter at a Gilbarco site with EPPs installed, particularly with regards to the GSM.

SDES EPP

- GSM is required to process debit transactions at the CRIND.
- SDES EPPs are backwards compatible and can be "dropped" into a site without an Allied software upgrade, however, a keypad string may need to be provided by Allied Electronics Technical Support if the existing software does not support the predefined SDES EPP keypad values.
- If the site has SDES EPPs and still wishes to employ TDES encryption, an "advanced GSM" is REQUIRED.
- Predefined keypads to be configured at the POS:
    1. S – EPP in SDES graphics, Advantage and Encore 300
    2. T – EPP in SDES single-line, Advantage and Encore 300
    3. V – EPP in SDES graphics, Encore 500
    4. X – EPP in SDES graphics, Encore 500 S ECIM

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TDES EPP

- No GSM is required. All PIN encryption is handled at the EPP.
- No RS232 board should be present in channel 8 at ANDI locations.
- Requires PCI compliant ANDI software GGA5001S Rev 8 or newer.
- Requires either NXG version GGA1007N Rev 3 or GGA5001N Rev 4 (PCI) or newer.
- Predefined keypads to be configured at the POS:
    1. Q – EPP in TDES graphics, Advantage and Encore 300
    2. R – EPP in TDES single-line, Advantage and Encore 300
    3. U – EPP in TDES graphics, Encore 500
    4. W – EPP in TDES graphics, Encore 500 S ECIM

Contact Allied Electronics Technical Support with any questions or concerns:

800-223-3619
SupportRequest@AlliedElectronics.com