



Pictured: Lane/7000

Universal Transaction Gateway +Telium **TETRA**

Support for Ingenico Telium TETRA devices with Shift4's
Universal Transaction Gateway is now available!

SHIFT 4™

Total Transaction Security

Shift4's Universal Transaction Gateway (UTG) works to seamlessly remove cardholder data from the merchant POS and back office systems while Ingenico's Telium TETRA terminals maintain a consumer-centric payment experience for even the most demanding environments. These solutions work together to minimize the merchant's PCI scope and reduce the overall risk for card-present fraud.



Best-in-Class Payment Solutions

Ingenico's Telium TETRA product line offers solutions for the most in-demand merchant use cases. Its latest operating system was designed with user-friendly interfaces, openness to web standards, and powerful security protocol at its core.

	Customer-Facing	Countertop	Portable (Bluetooth/Wi-Fi)
	 Lane/5000 Lane/7000	 Lane/3000	 Move/5000 Link/2500
REPLACED PRODUCT	Ingenico iSC Touch 250, iSC Touch 480	Ingenico iPP 320, iPP 350	Ingenico iWL 252, iWL 258*, iSMP4*

Portable Solutions

INGENICO MOVE/5000



- Meets all PCI-PTS 5.x hardware and software requirements.
- Comprehensive electronic payment support: EMV (chip & PIN or chip & signature), magstripe, signature capture, and NFC.
- 3.5-inch color touchscreen: Best-in-class interface for a rich, user-friendly experience.
- Designed for mobility: Equipped with Wi-Fi and Bluetooth capabilities.
- Built-in data capture tools: Optional camera, barcode scanner, and GPS tracking enables alternative payment schemes and innovative business applications.



contactless



security



connectivity



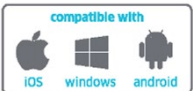
touchscreen



thermal printer

Portable Solutions

INGENICO LINK/2500



- Supports a wide range of payment options including EMV (chip & PIN or chip & signature) and magstripe as well as the broadest range of contactless standards, making it suitable for NFC couponing and mobile wallet use cases.
- Designed for mobility: A lightweight-yet-robust, pocket sized solution with Bluetooth and Wi-Fi communication capabilities.
- Optimized for accessibility: The solution features an integrated speaker for vocal assistance and mechanical keypad with raised markings.
- Paperless receipt management: Digital receipts reduce the total cost of ownership as well as the solution's environmental footprint.

SHIFT 4™

Customer-Facing Solutions

INGENICO LANE/5000



- Meets all PCI-PTS 5.x hardware and software requirements.
- Comprehensive electronic payment support: EMV (chip & PIN or chip & signature), magstripe, signature capture, and NFC.
- User-friendly and intuitive interface: Featuring a large 3.5" color touchscreen with rich multimedia capabilities.
- Durable signature-capture screen with heavy duty magnetic stripe and smart card readers for intensive retail use.



smartcard



magstripe



contactless



security



color display



touchscreen



signature capture

SHIFT 4™

Customer-Facing Solutions

INGENICO LANE/7000



- Developed for speed and efficiency: Intuitive, interactive device designed to transform the point of sale into a point of engagement through features such as multimedia support, Bluetooth connectivity, and barcode scanning.
- Large 5-inch backlit, full-color touchscreen display for rich user experiences and interactions.
- Future-proof payment security: Natively designed to ensure long-term compliance through the use of the latest cryptographic schemes and encryption methods, while additional anti-theft systems such as cable removal detection and Kensington locks.
- Automatic and remote diagnostics as well as preventative maintenance capabilities to protect your hardware investment and minimize PCI compliance costs.



SHIFT 4™

Countertop Solutions

INGENICO LANE/3000



- Meets all PCI-PTS 5.x hardware and software requirements.
- Comprehensive electronic payment support: EMV (chip & PIN or chip & signature), magstripe, signature capture, NFC, mobile wallet and alternative payment methods.
- Easy integration: The Lane/3000 has a compact, robust design that is easily integrated into any environment.
- Low cost of ownership: Automatic and remote diagnostics as well as preventative maintenance capabilities protect your hardware investment and minimize PCI compliance costs.



contactless



security



UPM



color display



rugged



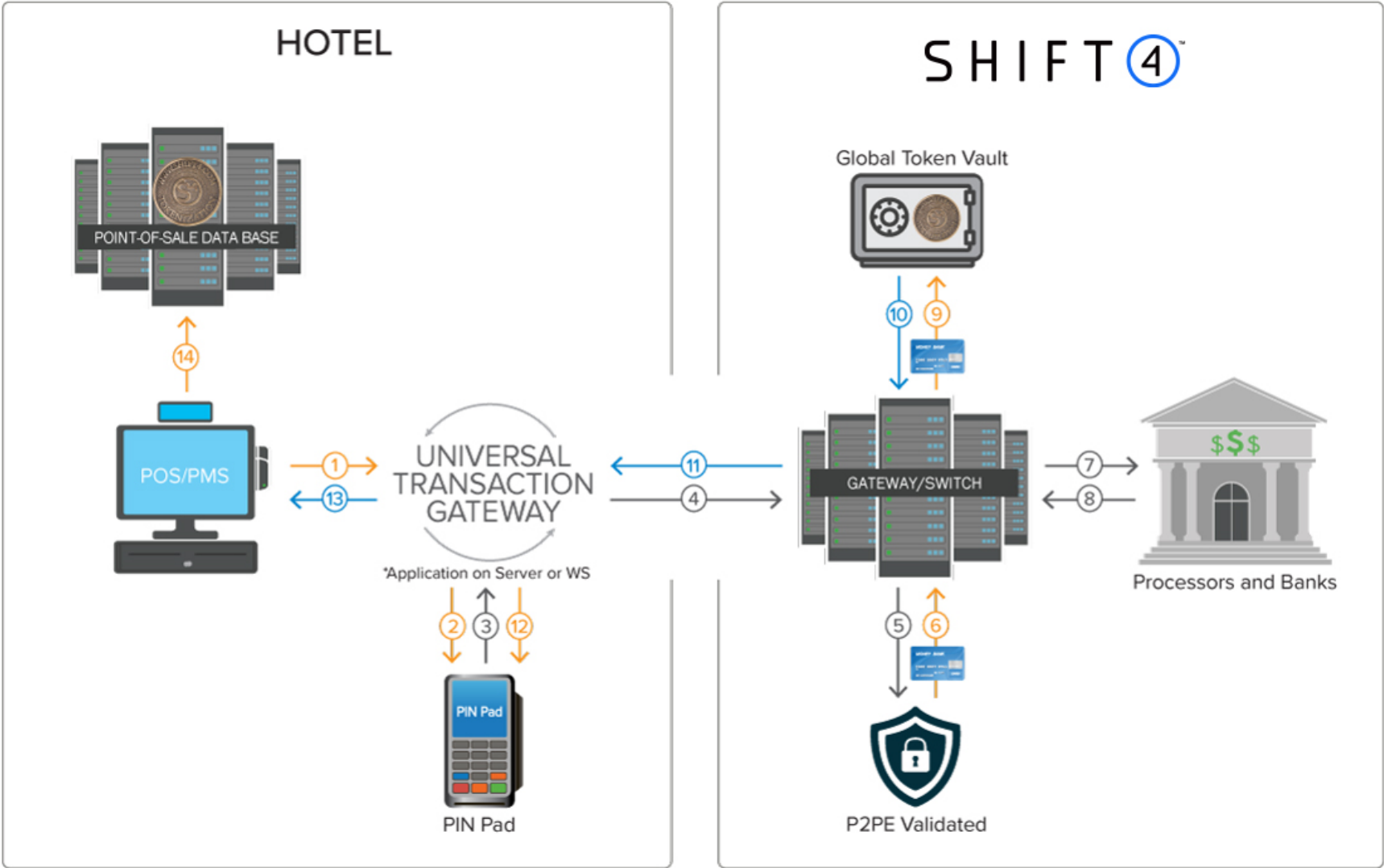
signature capture



connectivity

SHIFT 4™

UTG EMV SAMPLE TRANSACTION FLOW



SHIFT 4™

COMMAND REQUEST (NON-SENSITIVE DATA) → ENCRYPTED CHD → TOKENIZED CHD →



UTG EMV TRANSACTION FLOW “CARD PRESENT”

1. POS/PMS submits a payment request to the UTG (Shift4's PCI DSS-certified solution)
2. UTG activates the PIN pad and requests cardholder data (CHD)
3. PIN pad sends encrypted (PCI-validated P2PE transmission) card data to UTG
4. UTG sends encrypted payment request to the Gateway/Switch
5. Gateway/Switch sends encrypted CHD to hardware security module (HSM) for decryption
6. HSM send clear-text CHD to the Gateway/Transaction Switch
7. Gateway/Switch sends the payment request to credit processor for approval
8. Credit processor sends payment response to Gateway/Switch
9. Gateway/Switch sends CHD to Global Token Vault for tokenization
10. Global Token Vault responds to gateway with a unique token
11. Gateway/Switch sends payment response to UTG
12. UTG sends payment response to PIN pad for:
 - a. Customer display
 - b. Receipt printing
 - c. Customer card removal (if applicable)
13. UTG sends payment response to POS/PMS
14. POS/PMS updates with transaction complete and stores the token