

VP3300AJ (IDMR-AB93133-XX) - Home



Quick Facts

- Plugs into the audio jack on your phone
- Works on both Android and iOS phones (works with a Lightning-to-AJ adapter)
- 3 track MagStripe, contact chip card, and contactless
- MagStripe, EMV smart card, and NFC/contactless payments including Android Pay, Apple Pay, Samsung Pay, MasterCard PayPass, Visa VCPS, American Express ExpressPay, Discover DPAS, and more
- Encrypting reader: fully supports TDES and AES data encryption using DUKPT key management
- Certified EMV Level 1 and Level 2
- Internal rechargeable battery; charged via micro USB B connector
- Also available with USB or Bluetooth interface
- Formerly known as UniPay III
- Uses NEO command/response protocol
- Supports **2C** (require cardholder confirmation through application selection) and **5C** (no customer confirmations)

	VP3300AJ (UniPay III)
Description	VP3300 Audio Jack
Interface	Audio Jack and USB
Part Number	IDMR-AB93133xx
MSR	✓
Contact	✓
Contactless	✓



VP3300 datasheet.pdf



VP3300 OEM datasheet.pdf

Manuals and Guides:

File

Modified ▼

PDF File Universal Demo QuickStart Guide.pdf Ref F, 12/2/2019	Dec 02, 2019 by Chris Barton
PDF File 80000503-001 ID TECH TLV Tag Reference Guide.pdf Rev J	Oct 11, 2019 by Chris Barton
PDF File VP3300-Series User Manual.pdf Rev G	Oct 11, 2019 by Chris Barton
PDF File EMV Transactions with Universal SDK.pdf A 26-page white paper on EMV and the Universal SDK.	Aug 06, 2018 by Kas Thomas
PDF File 80000502-001 ID TECH Encrypted Data Output Formats.pdf	Nov 20, 2017 by Kas Thomas
PDF File Tech Note 011 -- Tags for Obtaining Encrypted Track Data.pdf	Oct 30, 2017 by Gavin Means

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Software Downloads:

File	Modified 
ZIP Archive USDK_DEMO.zip a.k.a. Udemo; x86 x64 1.2.177.4a updated 26 Nov 2019; Multi-device Windows .NET SDK demo app	Dec 05, 2019 by Gavin Means
ZIP Archive ViVOconfig.zip ViVOconfig Utility; v0.4.3; updated 26 Sept 2019	Oct 29, 2019 by Gavin Means
File ID TECH Universal SDK Demo.apk ID TECH's Univesal SDK demo app for Android	Nov 27, 2018 by Gavin Means
ZIP Archive NRF_DEMO.zip This simple demo with big fat buttons was initially built to show product at the NRF show	Nov 06, 2017 by Gavin Means

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ViVOconfig Configurations:



The files listed below are complete configurations that can be applied to the VP3300 using the ViVOconfig tool. You can find the configuration tool and more information here. [VivoConfig - Home](#)

File	Modified 
File VP3300 and VP8300 in HID mode; Generic Testing Configuration.json v.001; Generic Testing Configuration; 4C contact terminal data and contactless for VISA/MC/Amex/Discover	Oct 30, 2019 by Gavin Means
ZIP Archive ViVOconfig.zip ViVOconfig Utility; v0.4.3; updated 26 Sept 2019	Oct 29, 2019 by Gavin Means

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Oct 29, 2019 by Gavin Means

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Firmware Downloads:

File	Modified
ZIP Archive VP3300 AJ Firmware update package.zip VP3300 Audio Jack NEO v1.01.055 USBHID	Jul 09, 2019 by Gavin Means

SDKs:

File	Modified
ZIP Archive 80144801-001.zip Universal SDK, C++/Java, Mac/Linux/Windows, RaspPi 3 & 0 Rev B, v1.0.34.003 12/04/2019 03:01:42 PM	Dec 04, 2019 by Gavin Means
ZIP Archive 80149808-001.zip VP3300 iOS SDK for all interfaces; Rev. B 1.1.159.002, 11/06/2019 07:31:33 PM	Nov 07, 2019 by Gavin Means
ZIP Archive 80149807-001.zip Rev B. V1.00.128 Android USDK with Demo for VP3300 (All Interfaces) 10/30/2019 09:24:13 AM	Oct 30, 2019 by Gavin Means
ZIP Archive 80149809-001.zip Windows .NET SDK; VP3300 all interfaces 06/04/2019 03:06:29 PM	Oct 03, 2019 by Gavin Means

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Marketing Downloads:

File	Modified
PDF File VP3300 datasheet.pdf	Sep 23, 2019 by Jenny Ouyang

Other Downloads:

File
XML File umcfg.xml This file contains a "settings profile" by model number for every phone we have tested and verified compatibility. If your device is not in this file, that does
PNG File VP3300BT dimensions drawing.png
PDF File Terminal Configurations.pdf Chart that details 1C, 2C, 3C, 4C, 5C Terminal Configurations. Common L2 Kernel. May 2017

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Certifications, LoAs and TQMs:




























File	Modified 
PDF File InteracL3TestCaseWaiver.pdf	Apr 20, 2018 by Gavin Means
PDF File 170301 - TQM SoC Labels - ID TECH (TQM0604 TQM0613 TQM0615 TQM0616 TQM0....pdf Mastercard TQM, Exp. 3/6/2018	Dec 26, 2018 by Gavin Means
PDF File VP3300 Certification Letter FeliCa M class_ID TECH_20180111.pdf	Apr 24, 2019 by Gavin Means
PDF File UniPay III and VP3300 Interac LOA.pdf	Apr 24, 2019 by Gavin Means
PDF File VP3300 FCC 1.pdf	Apr 24, 2019 by Gavin Means
PDF File EMVCo LoA, L2 Common Contact Kernel, Gen 1.pdf Expires November 6 2022	May 13, 2019 by Gavin Means
File VP3300 BT FCC.rar	May 20, 2019 by Gavin Means
File VP4880 CE.rar	May 20, 2019 by Gavin Means
PDF File CDIDTE0885A - Contactless L2 LoA - Visa.pdf	May 24, 2019 by Yulan Liang
PDF File EMV L2 Common Kernel Letter, Gen 1.pdf EMV Common L2 Version V1.10.037	Aug 13, 2019 by Gavin Means
PDF File VP3300_L1_IDTE_13386_04Nov15 - Contact L1 LoA.pdf	Oct 24, 2019 by Yulan Liang
PDF File L1_IDTE_10490_29Oct15 - Contactless L1 LoA.pdf	Oct 24, 2019 by Yulan Liang
PDF File XP3 L2 LoA 300.FIME.13.IDTECH.UnipayIII.171012-R-signed.pdf	Oct 24, 2019 by Yulan Liang
PDF File ID TECH UniPay III D-PAS LoA 02082016 - Contactless L2 LoA - Discover.pdf	Oct 24, 2019 by Yulan Liang
PDF File TLOA-IDTE160101-160314(a) - Contactless L2 LoA - MasterCard.pdf	Oct 24, 2019 by Yulan Liang
PDF File 190813 - Project Plan Notification - TQM1354_VP3300 Family.pdf	Nov 05, 2019 by Yulan Liang

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Certifications - Related Articles and FAQs:

- [VP3300 Transition to New NFC Chip \(i.e. Rev A vs Rev B Chip\)](#)

Type:	Cert Name:	File:	Notes:				
Contact EMV:							
	Contact L1	<table border="1"> <thead> <tr> <th>File</th> <th>Modified </th> </tr> </thead> <tbody> <tr> <td>PDF File VP3300_L1_IDTE_13386_04Nov15 - Contact L1 LoA.pdf</td> <td>Oct 24, 2019 by Yulan Liang</td> </tr> </tbody> </table>	File	Modified 	PDF File VP3300_L1_IDTE_13386_04Nov15 - Contact L1 LoA.pdf	Oct 24, 2019 by Yulan Liang	
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	Contact L2	<table border="1"> <thead> <tr> <th data-bbox="435 128 1154 216">File</th> <th data-bbox="1154 128 1398 216">Modified </th> </tr> </thead> <tbody> <tr> <td data-bbox="435 216 1154 289">PDF File EMVCo LoA, L2 Common Contact Kernel, Gen 1.pdf Expires November 6 2022</td> <td data-bbox="1154 216 1398 289">May 13, 2019 by Gavin Means</td> </tr> <tr> <td data-bbox="435 289 1154 352">PDF File EMV L2 Common Kernel Letter, Gen 1.pdf EMV Common L2 Version V1.10.037</td> <td data-bbox="1154 289 1398 352">Aug 13, 2019 by Gavin Means</td> </tr> <tr> <td colspan="2" data-bbox="435 352 1398 443">  Download All </td> </tr> </tbody> </table>	File	Modified 	PDF File EMVCo LoA, L2 Common Contact Kernel, Gen 1.pdf Expires November 6 2022	May 13, 2019 by Gavin Means	PDF File EMV L2 Common Kernel Letter, Gen 1.pdf EMV Common L2 Version V1.10.037	Aug 13, 2019 by Gavin Means	 Download All		
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Related Tools:

- [Downloads - Home > USDK_DEMO.zip](#)
- [Downloads - Home > ViVOconfig.zip](#)
- [Tools for Payment Device Integration: Encrypt/Decrypt Tool - ID TECH](#)
- [Downloads - Home > NRF_DEMO.zip](#)
- [Encrypt/Decrypt Tool](#)
- [Cryptomathic - Security Lab - List of Tools](#)
- [ID Tech Universal SDK v1.0 - Android Apps on Google Play](#)

Related Articles and FAQs:

- [How to save Contactless AIDs \(NEO and NEO2 devices\)](#)
- [How to delete/disable AIDs on contactless readers](#)
- [How to check Key status and key info of an NEO or NEO II product?](#)
- [How to Decrypt Credit Card Data, Part II](#)
- [How to Decrypt Credit Card Data, Part I](#)
- [How to read/write MiFare standard\(type 04\) card](#)
- [How do I know if ODA is performed or not?](#)
- [How to Set Kernel Config and How to Save Terminal Data using uDemo](#)
- [How to retrieve the CVC3 from Track2 contactless Mastercard transaction?](#)
- [EMV Transaction with Universal SDK](#)
- [VP3300 Transition to New NFC Chip \(i.e. Rev A vs Rev B Chip\)](#)
- [How to use Autoconfig feature in the UniMag Demo?](#)
- [How do I enable encryption for a NEO device?](#)
- [How to perform a Remote Key Injection RKI](#)
- [Why aren't tags 57 and 5A returned with my EMV transaction?](#)
- [How to arm reader for any card presentation \(swipe, dip, tap\)](#)
- [How can I check if my mobile device is compatible with an audio jack mobile reader?](#)
- [Sometimes 4F is returned with an empty value. How do I provide the AID on the receipt if 4F is not provided or is empty?](#)
- [Augusta - Injected is a DEK but with encryption not enabled.](#)
- [What are the battery stats for a VP3300?](#)

- [How to check the battery level of the audio or BlueTooth version VP3300 reader?](#)
- [What triggers the VP3300 reader change between the 3 different power modes?](#)
- [At what point in an contact EMV transaction are the ARQC, the AAC and AC and their corresponding CDOL1 generated?](#)
- [FAQ - Key Injection](#)
- [How do I read DESFire cards?](#)
- [How does one split / combine cryptographic keys?](#)
- [EMV transaction, how was the card presented \(Swiped, Tapped or Dipped...MSD, Fallback\)?](#)
- [How can I get find and retrieve EMV Tags?](#)
- [What do the different Security Levels mean?](#)
- [Can ID TECH tell me what AIDs, CAPKs and terminal settings will need to be loaded into my EMV reader?](#)
- [How can I decrypt encrypted data?](#)
- [Downloads - Home > EMV Transactions with Universal SDK.pdf](#)
- [Service Code and L2 common Kernel](#)
- [SmartTap - Configuration command example](#)
- [Contact EMV Transaction, Phases 3 of 3: Complete Transaction](#)
- [How to load a CAPK from a file using the uDemo?](#)
- [How to handle Issuer Scripts un an EMV transaction?](#)
- [Which Terminal Settings Am I Allowed to Change?](#)
- [QuickChip Keyboard - Implementation & Integration FAQ](#)
- [Fall back flow with L2 common Kernel](#)
- [How does an ID TECH encrypted card reader identify a card as a "financial card"?](#)
- [Cryptogram and EMV Transaction Flow](#)
- [What are all the possible EMV "result codes"?](#)
- [How do I prepare my contactless EMV reader for EMV transactions?](#)
- [What contactless terminal configuration is typical for VISA online only US based terminal?](#)
- [How do I configure a Vendi \(or other NEO device\) for AppleVAS transactions?](#)
- [How do I set CAPKs \(Certification Authority Public Keys? \(L3 certification purposes\)](#)
- [How can I gain an in-depth understanding of contact and contactless EMV technologies?](#)
- [Downloads - Home > Tech Note 011 -- Tags for Obtaining Encrypted Track Data.pdf](#)
- [How to parse the USB/KB encrypted data correctly with Parsomatic?](#)
- [Parsomatic. How to parse TLVs? How to parse transaction data \(EMV, MSR or MSD\)?](#)
- [How to use 03-00 / 03-40 commands and parse the results](#)
- [How to disable the power saving of the USB ports on my PC?](#)
- [What does TVR mean?](#)
- [What are the 'PAN Entry Modes' of tag 9F39?](#)
- [UniMag Utility Autoconfig Walkthrough for Android](#)
- [I have an encrypting reader. How can I set it to leave gift cards unencrypted?](#)
- [Instructions to set the audio configuration automatically](#)
- [Where can I get test cards?](#)
- [What are the "default tags" returned by uDemo? \(Start transaction, Authenticate transaction, Complete transaction\)](#)
- [Why is Tag 8A Giving a Z3 Response Code?](#)
- [What proprietary tags has ID Tech defined?](#)
- [What is an ATR?](#)
- [How do I check my encryption Status for a NEO device?](#)
- [How to retrieve a CVM \(Card Verification Method\) list?](#)
- [What is a TLV?](#)
- [How to decrypt transaction data using test key and KSN?](#)
- [What is EMV Level 3 Certification?](#)

Related Areas of Knowledge:

- [DFEF7D - ID TECH Tag: Number of reinsert after a bad insert](#)
- [Remote Key Injection \(RKI\) - Home](#)
- [Key Injection - Home](#)
- [Key Injection - Glossary of keys and associated terms:](#)
- [Universal SDK for .NET/C#](#)
- [Terminal Configurations - L2 common kernel](#)
- [Audio jack mobile readers](#)
- [EMV - home](#)
- [Google SmartTap - Home](#)
- [Magnetic Stripe \(MSR\)](#)
- [EMV: Fall Back and Liability](#)
- [Cryptography](#)
- [AIDs, Application Identifiers, EMV Card applications](#)
- [Quick Chip - Home](#)
- [Chip and Pin with IDTech](#)

Related Images and Screenshots:



VP3300AJ (formerly Unipay III)

Related Links:

- [How to Decrypt Credit Card Data, Part II](#)
- [How to Decrypt Credit Card Data, Part I](#)
- [EMV Device Configuration Essentials](#)
- [Getting Started with ID TECH's Universal SDK](#)
- [ISO 8583 - Wikipedia](#)
- [How a Magnetic Card Reader Works](#)
- [Card Reader Cleaning Cards](#)
- [Encrypt/Decrypt Tool](#)
- [Cryptomathic - Security Lab - List of Tools](#)
- [ID Tech Universal SDK v1.0 - Android Apps on Google Play](#)
- [AES - Advanced Encryption Standard - Wikipedia](#)
- [RSA \(cryptosystem\) - Wikipedia](#)
- [4.4 EMV\(TM\) application selection](#)
- [Public-key cryptography - Wikipedia](#)

Accessories and Part Numbers:

VP3300 AJ (3-in-1 USB & Audio Jack)

Model #	Description
IDMR-AB93133	TDES; MSR encrypt ON; EMV encrypt OFF; (Black)
IDMR-AB93133W	TDES; MSR encrypt ON; EMV encrypt OFF; (White)
IDMR-AB93133P	TDES; MSR/EMV encrypt ON (Black)
IDMR-AB93133PW	TDES; MSR/EMV encrypt ON (White)
IDMR-AB93133A	AES; MSR encrypt ON; EMV encrypt OFF; (Black)
IDMR-AB93133AW	AES; MSR encrypt ON; EMV encrypt OFF (White)
IDMR-AB93133AP	AES; MSR/EMV encrypt ON (Black)
IDMR-AB93133APW	AES; MSR/EMV encrypt ON (White)
IDMR-AB93133N	Encryption OFF (Black)
IDMR-AB93133NW	Encryption OFF (White)
Packaged 60 per box	
Image of VP3300 Audio Jack	<p>Micro-USB cables NOT included.</p> 