alpitronic®

Payment Solutions – Overview and Offer

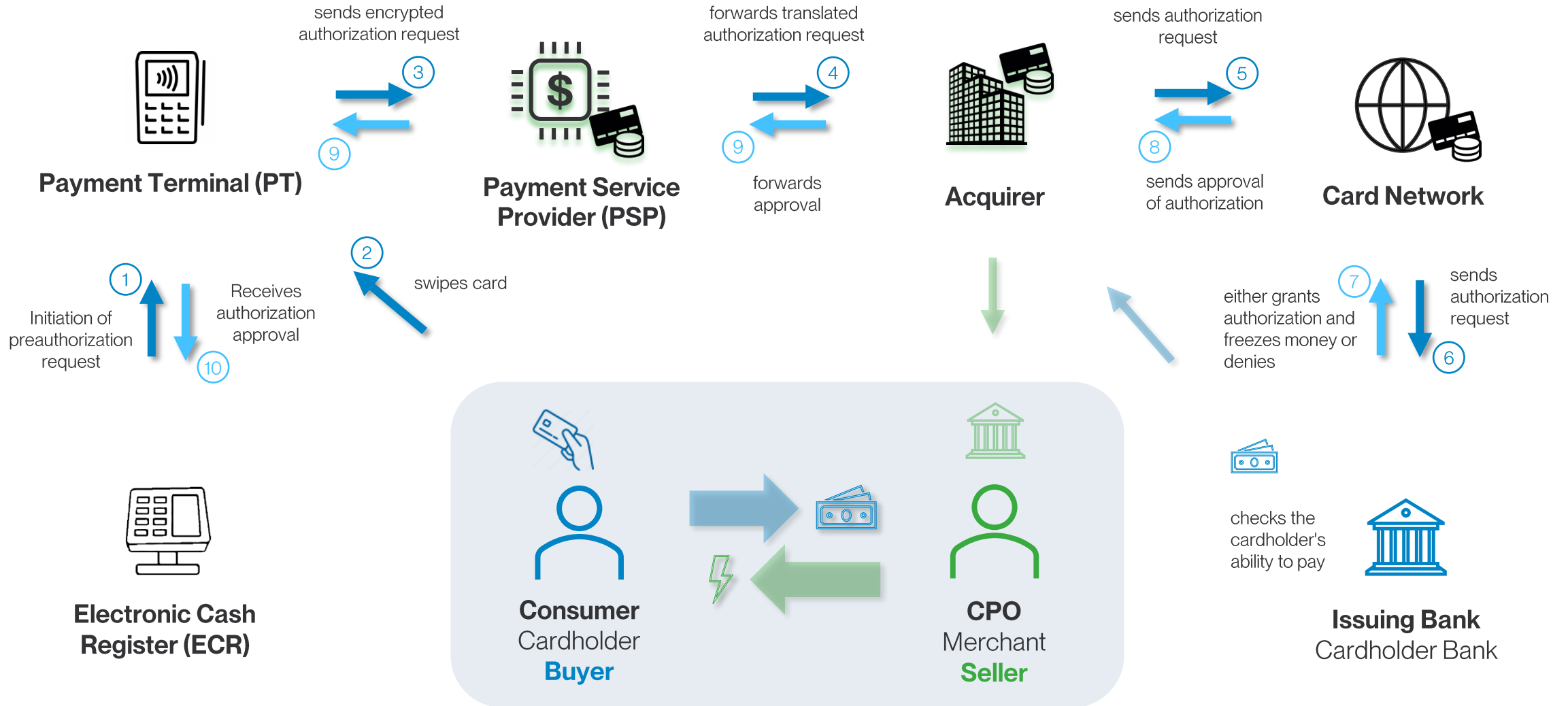December 2024

Content

The actors behind Cashless Payment Processes

Payment Service Provider

Payment Terminal

Acquirers

Electronic Cash Register

Consumer
Cardholder
Buyer

CPO
Merchant
Seller

Card networks

Issuing Banks

Merchant Banks

Regulators

Basics of Cashless Payment Processes

Payment Terminal (PT)

sends encrypted authorization request ③

⑨

Payment Service Provider (PSP)

forwards translated authorization request ④

⑨ forwards approval

Acquirer

sends authorization request ⑤

⑧ sends approval of authorization

Card Network

① Initiation of preauthorization request

Receives authorization approval ⑩

② swipes card

either grants authorization and freezes money or denies

⑦

⑥ sends authorization request

Electronic Cash Register (ECR)

Consumer
Cardholder
Buyer

CPO
Merchant
Seller

checks the cardholder's ability to pay

Issuing Bank
Cardholder Bank
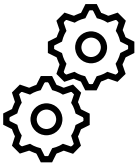
Differences in PSP and Acquirers

What features are CPOs looking for?

Coverage of Payment Solution (global vs. regional)

Payment Schemes (Mastercard, VISA, Girocard, Bancomat, etc.)

Charger Integration and Compatibility (Local or Cloud)

Transaction Fees and Cost (varies by many factors and needs to be evaluated by CPO)
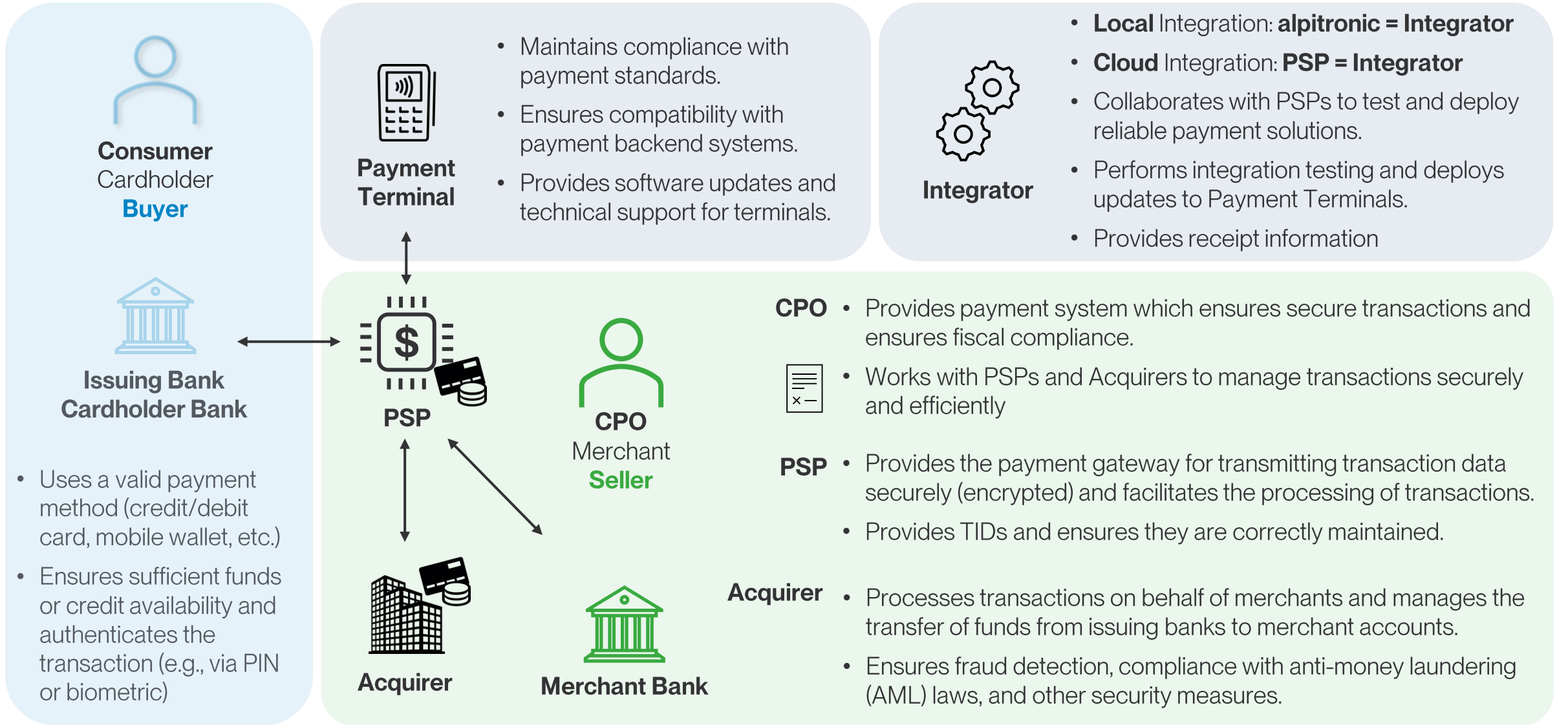
Acquirer Partnerships with PSPs at CPOs corporate level

Security and Compliance (Adherence to PCI DSS, GDPR, EAA, and other regional regulations)

Responsibilities

Consumer
Cardholder
Buyer

**Issuing Bank
Cardholder Bank**

- Uses a valid payment method (credit/debit card, mobile wallet, etc.)
- Ensures sufficient funds or credit availability and authenticates the transaction (e.g., via PIN or biometric)

Payment Terminal

- Maintains compliance with payment standards.
- Ensures compatibility with payment backend systems.
- Provides software updates and technical support for terminals.

Integrator

- **Local** Integration: **alpitronic = Integrator**
- **Cloud** Integration: **PSP = Integrator**
- Collaborates with PSPs to test and deploy reliable payment solutions.
- Performs integration testing and deploys updates to Payment Terminals.
- Provides receipt information

PSP

CPO
Merchant
Seller

Acquirer

Merchant Bank

CPO
- Provides payment system which ensures secure transactions and ensures fiscal compliance.
- Works with PSPs and Acquirers to manage transactions securely and efficiently

PSP
- Provides the payment gateway for transmitting transaction data securely (encrypted) and facilitates the processing of transactions.
- Provides TIDs and ensures they are correctly maintained.

Acquirer
- Processes transactions on behalf of merchants and manages the transfer of funds from issuing banks to merchant accounts.
- Ensures fraud detection, compliance with anti-money laundering (AML) laws, and other security measures.

PT Integration Case #1: Local

Hyperservices

hyc.cash

Alpitronic SIM

LAN

Client SIM

VLAN

OCPP
Tariffs, VAT
Transaction details

Hypercharger initiates payment processing
Calculation of amount
Settlement of payment
Receipt creation

CPMS

Receipt Management
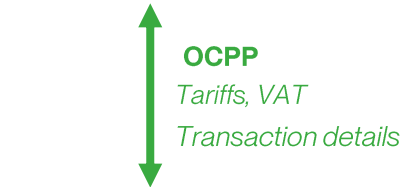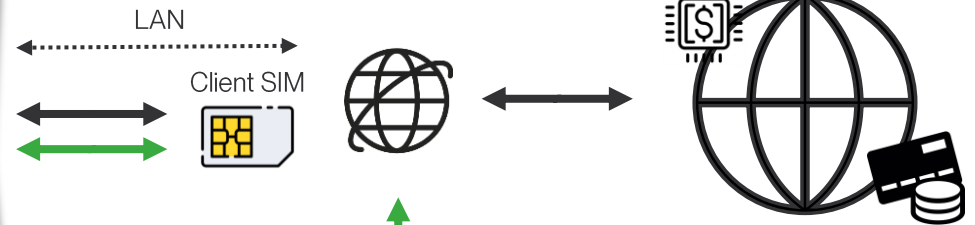
Country specific Fiscalization

PT Integration Case #2: Cloud

Internet connectivity

Hyperservices

Alpitronic SIM

LAN

Client SIM

VLAN
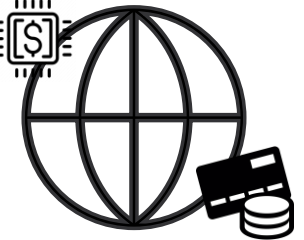
OCPP
Remote StartTransactgion
Data of Charging session

OCPI or
specific API

POS Backend

CPMS

Receipt Management

Payment Solution - Offer

December 2024

Valina EP2 (Worldline / PAYONE)

- 3,5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 5.x approved
- IP65 rated
- IK09 shock resistance

Service: giel.leyssens@worldline.com   Partner.austria@payone.com

| Local | | ✓ hyc50 | ✓ hyc150/300 | ✓ hyc200/400 |

Product Description	PSP	hyc50 Product Code	hyc150 to 400[1] Product Code
Valina EP2 Worldline	Worldline[2]	201686	201571
Valina EP2 Worldline spare part	Worldline[2]	103825	103825
Valina Retrofit Kit[3]		206427	103786

[1] Product codes applies to V4 housing (with cutout for Payment Terminal)

[2] PAYONE is offering its services as PSP and Acquirer in Austria.

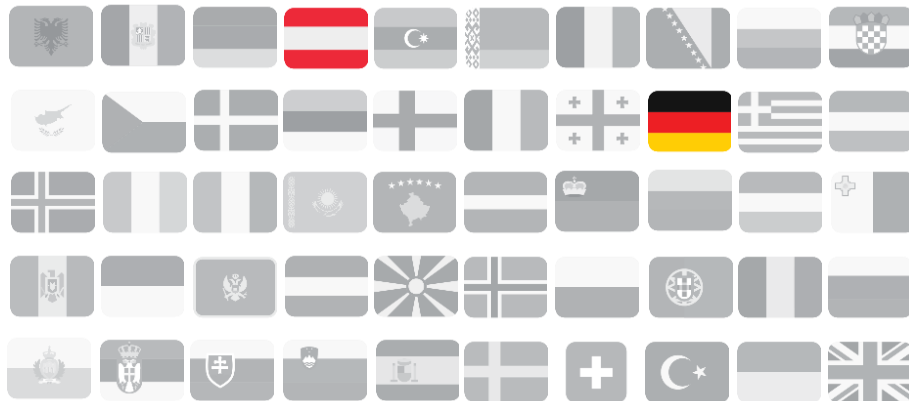[3] exclusive Payment Terminal

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Valina ZVT (PAYONE / WEAT)

- 3,5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 5.x approved
- IP65 rated
- IK09 shock resistance

Service: Partner.austria@payone.com   donncha.raison@WEAT.de

Local ✓ hyc50 ✓ hyc150/300 ✓ hyc200/400

Product Description	PSP	hyc50 Product Code	hyc150 to 400[1] Product Code
Valina ZVT PAYONE	PAYONE	201685	201570
Valina ZVT WEAT	WEAT [2]	208544	208542
Valina ZVT Worldline spare part	PAYONE	103826	103826
Valina ZVT WEAT spare part	WEAT [2]	209596	209596
Valina Retrofit Kit [3]		206427	103786

[1] Product codes applies to V4 housing (with cutout for Payment Terminal)

[2] WEAT SIM is required for this service.
This SIM card can also be used to connect to CPMS.

[3] exclusive Payment Terminal

Self/2000 (Worldline Italia)

- 3,26" touch TFT colour display
- Contactless Cards/Devices
- PCI-PTS 5.x approved
- IP65 rating
- IK09 shock resistance

Service: giel.leyssens@worldline.com

Local		✓ hyc50	✓ hyc150/300	✓ hyc200/400
Product Description	**PSP**	**hyc50 Product Code**	**hyc150 to 400 [1] Product Code**
Self2000 Worldline	Worldline [2,3]	203877	201464
Self2000 Worldline spare part	Worldline [2,3]	202530	202530
Self2000 Retrofit Kit [4]		-	103784

[1] *Product codes applies to V4 housing (with cutout for Payment Terminal)*

[2] *Worldline Italia is also offering their service as Acquirer. Further Acquirers are supported on request. e.g., NEXI (including Unicredit, Intesa, Credem, MPS, BCC banks), Poste, Banca Sella, Numia*

[3] *Worldline Italia is also offering their service across Europe (Crossborder via N&TS)*

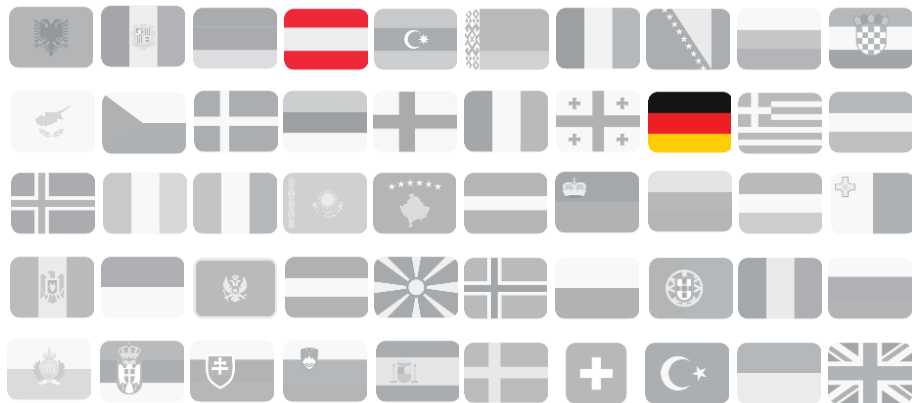[4] *exclusive Payment Terminal*

IM30 (PAYONE / CCV)

- 5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 5.x approved
- IP55 rated
- IK08 shock resistance

Service: Partner.austria@payone.com   PaymentService@ccv.eu

Local		hyc50	hyc150/300	hyc200/400

Product Description	PSP	hyc50 Product Code	hyc150 to 400[1] Product Code
IM30 PAYONE [2]	PAYONE	-	201676
IM30 CCV [3]	CCV	201681	201509
IM30 PAYONE spare part	PAYONE	103789	103789
IM30 CCV spare part	CCV	103787	103787
IM30 Retrofit Kit [4]		205035	103782

[1] Product codes applies to V4 housing (with cutout for Payment Terminal)

[2] The terminal has PAYONE network operating keys, therefore a contract including network operation and acquiring must be concluded between the CPO and PAYONE.

[3] As CCV is Payment Service Provider (PSP) the terminal has network operating keys from CCV. The CPO must conclude a contract for network operation with CCV and an acquiring contract with PAYONE.

[4] exclusive Payment Terminal

IM30 (Fortech)

- 5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 5.x approved
- IP55 rated
- IK08 shock resistance

Service: sales.evc@fortech.it   Federico.Marzouk@fortech.it

Cloud [1]		hyc50 ✓ hyc150/300 ✓ hyc200/400 ✓	
Product Description	**PSP**	**hyc50 Product Code**	**hyc150 to 400 [2] Product Code**
IM30 Fortech	Fortech [3]	-	208541
IM30 Fortech spare part	Fortech [3]	-	-
IM 30 Retrofit Kit [4]		205035	103782

[1] OCPI 2.1.1. and OCPP 1.6J are supported

[2] Product codes applies to V4 housing (with cutout for Payment Terminal)

[3] Fortech PSP service through Moneynet and Shift4 Acquiring in Italy;
Fortech PSP Crossborder service through N&TS Group all over Europe.
Listed Partners for PSP and Acquirer services are most common ones.
Other Providers, e.g., Worldline, are possible upon request.

[6] Service in all the listed countries (excl. Italy) needs to be evaluated case by case
due to the different fiscalization and certification requirements
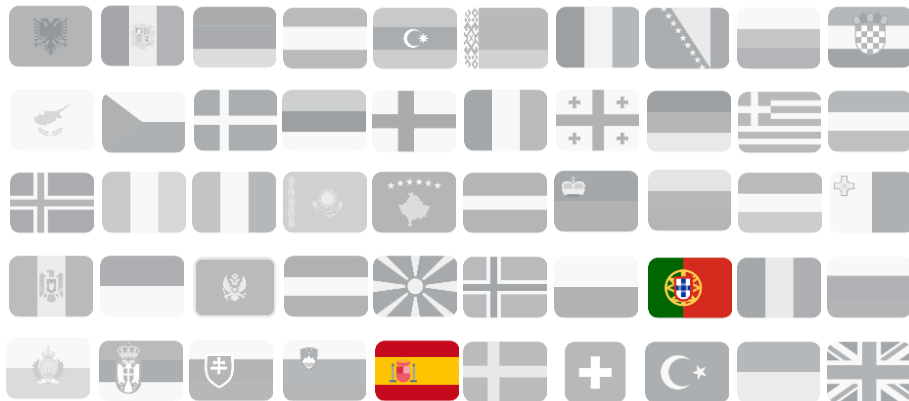
[4] exclusive Payment Terminal

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IM30 (Paytef)

- 5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 6.x approved
- IP55 rated
- IK08 shock resistance

Service: aitor.egurrola@paytef.es

Local		hyc50 ✓	hyc150/300 ✓	hyc200/400 ✓

Product Description	PSP	hyc50 Product Code	hyc150 to 400 [1] Product Code
IM30 Paytef	Paytef [2]	-	202028
IM30 Paytef spare part	Paytef [2]	104544	104544
IM 30 Retrofit Kit [3]		205035	103782

[1] Product codes applies to V4 housing (with cutout for Payment Terminal)

[2] Offering PSP and Acquiring services in Spain through RedSys
https://redsys.es/quienes-somos.html

[3] exclusive Payment Terminal

[4] Partnership for PSP services with SIBS, to offer Multibanco services in Portugal by the end of 2024

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Apollo (Payter)

- 3,5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 6.x approved
- IP55 rated
- IK08 shock resistance

Service: www.payter.com/registration

| Local | Cloud [1] | ✓ hyc50 | ✓ hyc150/300 | ✓ hyc200/400 |

Product Description	PSP	hyc50 Product Code	hyc150 to 400 [2] Product Code
Apollo Payter	Payter [3, 4, 5]	203878	102902
Apollo Payter spare part	Payter [3, 4, 5]	103793	103793
Apollo Retrofit Kit [6]		207361	103785

[1] Local or Cloud configuration is set upon onboarding at Payter.

[2] Product codes applies to V4 housing (with cutout for Payment Terminal)

[3] Multiple options for payment service providers:
Europe: Gateway Monet+ - Acquiring Shift4, Elavon, Worldline or PAYONE in Austria
Europe: Gateway NMI - Acquiring Elavon

[4] SHIFT 4 is the only Acquirer that supports service in: Andorra, Iceland, Croatia, San Marino, Serbia

[5] Monet+ and Elavon also support service for Croatia in EUR

[6] exclusive Payment Terminal

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Apollo Polar (Payter)

- 3,5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 6.x approved
- IP55 rated
- IK08 shock resistance

Service: www.payter.com/registration

| Local | Cloud [1] | ✓ hyc50 | ✓ hyc150/300 | ✓ hyc200/400 |

Product Description	PSP	hyc50 Product Code	hyc150 to 400 [2] Product Code
Apollo Polar Payter	Payter [3, 4]	205443	206120
Apollo Polar Payter spare part	Payter [3, 4]	-	-
Apollo Polar Retrofit Kit [5]		-	-

[1] Local or Cloud configuration is set upon onboarding at Payter

[2] Product codes applies to V4 housing (with cutout for Payment Terminal)

[3] Multiple options for payment service providers:
Europe: Gateway Monet+ - Acquiring Shift4, Elavon, Worldline or PAYONE in Austria
Europe: Gateway NMI - Acquiring Elavon
USA: Gateway NMI - Acquiring Elavon
USA: Gateway Apriva - Acquiring fiserv.
Canada and USA: Gateway Apriva - Acquiring Chase / JP Morgan

[4] SHIFT 4 is the only Acquirer that supports service in: Andorra, Iceland, Croatia, San Marino, Serbia
Monet+ and Elavon also support service for Croatia in EUR

[5] Interac in Canada only

[6] exclusive Payment Terminal

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Payment Solutions compliant for Retrofit

December 2024

Valina (Logos) – Retrofit

- 3,5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 5.x approved
- IP65 rated
- IK09 shock resistance

Service: Partner.austria@payone.com

Local		✓ hyc50	✓ hyc150/300	✓ hyc200/400

Product Description	PSP	hyc50 Product Code	hyc150 to 400[1] Product Code
Valina Retrofit Kit [2]		206427	103786

[1] Product codes applies to V4 housing (with cutout for Payment Terminal)

[2] exclusive Payment Terminal

S1U2 (Adyen) – Retrofit only [1,2]

- 5" touch TFT colour display
- Contactless Cards/Devices
- Chip (contact) Cards
- Magstripe Cards
- PCI-PTS 6.X approved
- IP65 rated
- IK10 shock resistance

Service: Partner.austria@payone.com

Cloud

✓ hyc50 ✓ hyc150/300 ✓ hyc200/400

Product Description	PSP	hyc50 Product Code	hyc150 to 400 [3] Product Code
S1U2 Retrofit Kit [4]		209791.001	207775

[1] Adyen is offering their services globally in various countries and will be available starting from 50 Payment Terminals on. Additional to main globally accepted Payment Schemes, Adyen does also support many regional payment schemes, e.g. Girocard, Bancontact, Bancomat, etc.

[2] CPO (Merchant) will have contract with Adyen. Alpitronic offers order management for Payment Terminals on behalf of CPOs and can integrate the Payment Terminals in production.

[3] Product codes applies to V4 housing (with cutout for Payment Terminal)

[4] exclusive Payment Terminal

DANKE / GRAZIE / THANK YOU

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