

Unified Barcode payment

About Unified Barcode payment

General information about Unified Barcode payment

Since Spot Payment of Alipay and Quick Pay of WeChat Pay have been integrated in Paygate, there are 2 interfaces for barcode payment. In order to initiate payment the merchant needs to ask customer in advance which payment method should be used, Alipay or WeChat Pay.

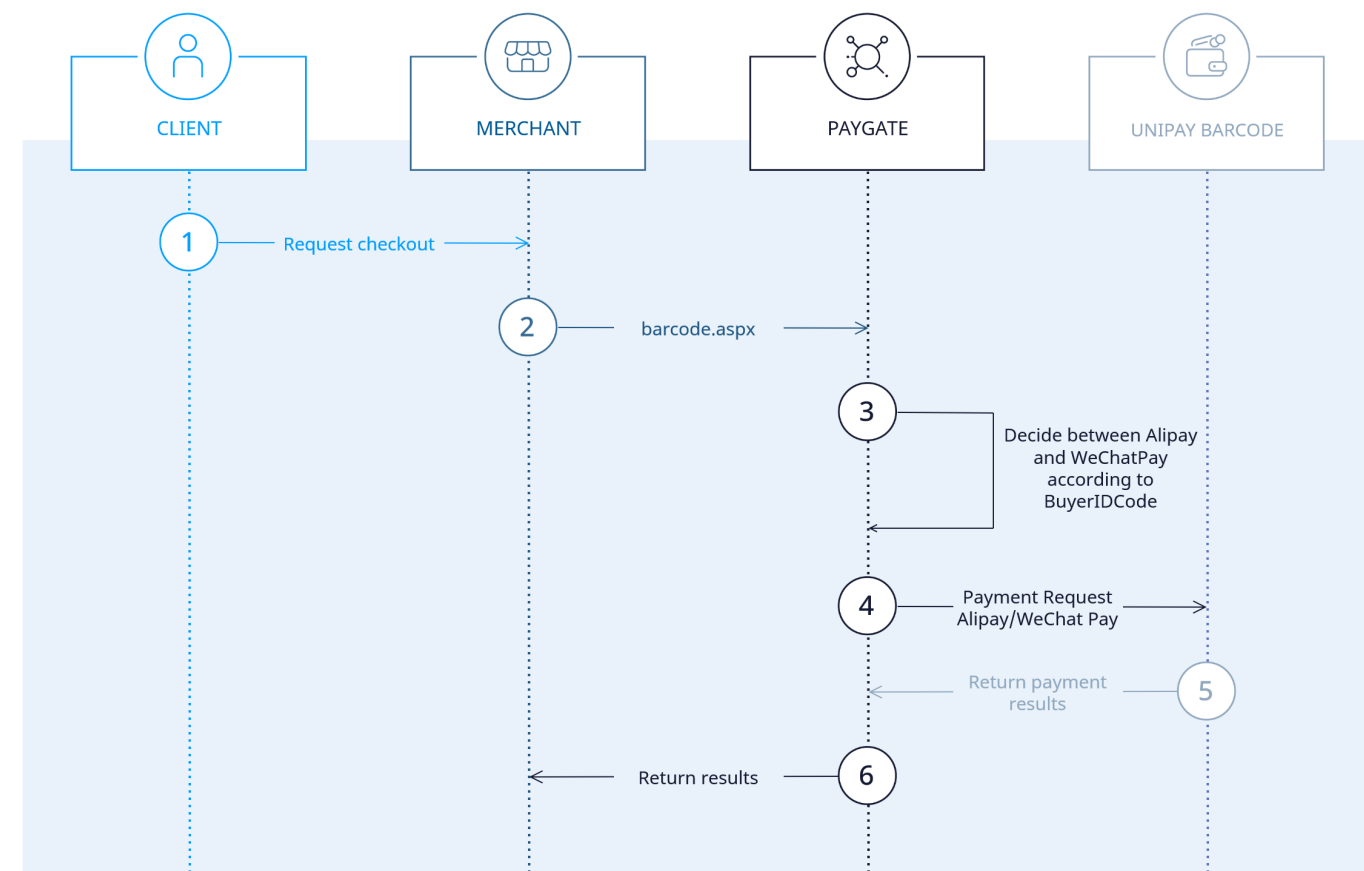
To simplify this process at merchant's side and to offer merchants a convenient experience of barcode payment with Paygate, a unified interface can be established for both barcode payments. Based on the "barcode" it could be recognized by Paygate which payment method it's about and then the process would be routed to the appropriate scheme.

Logo	Unified Barcode payment
Info	Since Spot Payment of Alipay and Quick Pay of WeChat Pay have been integrated in Paygate , there are 2 interfaces for barcode payment. In order to initiate payment, the merchant needs to ask customer in advance which payment method should be used, Alipay or WeChat Pay.
Type	Payments by eWallet

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Process flow chart



Unified Barcode payment process flow

Paygate interface

Definitions

Data formats

Format	Description
a	alphabetical
as	alphabetical with special characters
n	numeric
an	alphanumeric
ans	alphanumeric with special characters
ns	numeric with special characters
bool	boolean expression (true or false)
3	fixed length with 3 digits/characters
..3	variable length with maximum 3 digits/characters
enum	enumeration of allowed values
dtm	ISODateTime (YYYY-MM-DDThh:mm:ss)

Abbreviations

Abbreviation	Description	Comment
CND	condition	
M	mandatory	If a parameter is mandatory, then it must be present
O	optional	If a parameter is optional, then it can be present, but it is not required
C	conditional	If a parameter is conditional, then there is a conditional rule which specifies whether it is mandatory or optional

Notice: Please note that the names of parameters can be returned in upper or lower case.

Calling the interface

In order to execute a payment with Unified Barcode payment via server-to-server connection, please use the following URL:

<https://www.computop-paygate.com/barcode.aspx>

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the [encrypted payment request parameters](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	ns..30	O	Merchant's unique reference number
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table

MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> HMAC Authentication (Request) HMAC Authentication (Notify)
OrderDesc	ans..768	M	Name of the transaction which is displayed in the transactions list
OrderDesc2	ans..768	O	Transaction notice
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
BuyerIDCode	ans..32	MC	Code generated by the Alipay-App. It is designed for the identification of a user.
TimeOut	n..14	OC	Only for WeChat: Time limit for a transaction. Unit: minutes. At least 1 minutes. Optional parameter of WeChat Pay: will be regarded when it's a payment of WeChat Pay.
GoodsCategory	an..32	OC	Only for WeChat: Product category. Meaning at WeChat Pay: Intended purpose on discount coupon. Optional parameter of WeChat Pay: will be regarded when it's a payment of WeChat Pay.
Limit	bool	OC	Only for WeChat: If true, credit cards won't be accepted in the payment, otherwise credit cards will be accepted. Optional parameter of WeChat Pay: will be regarded when it's a payment of WeChat Pay.

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description	Beschreibung
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> HMAC Authentication (Request) HMAC Authentication (Notify) 	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: <ul style="list-style-type: none"> HMAC-Authentisierung (Anfrage) HMAC-Authentisierung (Notify)

Key	Format	CND	Description	Beschreibung
OrderDesc	ans..768	M	Name of the transaction which is displayed in the transactions list	Name der Transaktion, der in der Transaktionsliste angezeigt wird
OrderDesc2	ans..768	O	Transaction notice	Transaktionshinweis


Key	Format	CND	Description	Beschreibung
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.	Wenn beim Aufruf angegeben, übergibt das Paygate die Parameter mit dem Zahlungsergebnis an den Shop.


Key	Format	CND	Description	Beschreibung
BuyerIDCode	ans..32	MC	Code generated by the Alipay-App. It is designed for the identification of a user.	Von der Alipay-App erzeugter Code. Er dient zur Identifikation des Nutzers.
TimeOut	n..14	OC	Only for WeChat: Time limit for a transaction. Unit: minutes. At least 1 minutes. Optional parameter of WeChat Pay: will be regarded when it's a payment of WeChat Pay.	Nur für WeChat: Zeitlimit für eine Transaktion. Einheit: Minuten. Mindestens 1 Minute. Optional Parameter von WeChat Pay: wird berücksichtigt, wenn es eine Zahlung mit WeChat Pay ist.
GoodsCategory	an..32	OC	Only for WeChat: Product category. Meaning at WeChat Pay: Intended purpose on discount coupon. Optional parameter of WeChat Pay: will be regarded when it's a payment of WeChat Pay.	Nur für WeChat: Product category. Meaning at WeChat Pay: Intended purpose on discount coupon. Optional Parameter von WeChat Pay: wird berücksichtigt, wenn es eine Zahlung mit WeChat Pay ist.

Limit	bool	OC	Only for WeChat: If true, credit cards won't be accepted in the payment, otherwise credit cards will be accepted. Optional parameter of WeChat Pay: will be regarded when it's a payment of WeChat Pay.	Nur für WeChat: If true, credit cards won't be accepted in the payment, otherwise credit cards will be accepted. Optional Parameter von WeChat Pay: wird berücksichtigt, wenn es eine Zahlung mit WeChat Pay ist.
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Parameters for payments with Unified Barcode payment

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

Key	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	ns..30	O	Merchant's unique reference number
Status	a..50	M	OK, FAILED or AUTHORIZE_REQUEST (If no final status from Alipay exists. Customers may need to confirm the payment in the app with their password.)
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
CodeExt	ans..40	OC	Only for WeChat: WeChat error code. Not included when it's a payment of Alipay.
ErrorText	ans..256	O	Error text from the downstream system, only when its response is discussed with Computop Helpdesk .
TID	ans..64	OC	Only for Alipay: TransactionID generated by Alipay system. Not included when it's payment of WeChat Pay.

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK, FAILED or AUTHORIZE_REQUEST (If no final status from Alipay exists. Customers may need to confirm the payment in the app with their password.)	OK, FAILED oder AUTHORIZE_REQUEST (Falls kein finaler Status von Alipay existiert. Kunden müssen die Zahlung eventuell in der App mit ihrem Kennwort bestätigen.)

Key	Format	CND	Description	Beschreibung
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Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!
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Key	Format	CND	Description	Beschreibung
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.	Wenn beim Aufruf angegeben, übergibt das Paygate die Parameter mit dem Zahlungsergebnis an den Shop.

Key	Format	CND	Description	Beschreibung
CodeExt	ans..40	OC	Only for WeChat: WeChat error code. Not included when it's a payment of Alipay.	Nur für WeChat: Fehlercode von WeChat. Bei einer Zahlung mit Alipay nicht enthalten.
ErrorText	ans..256	O	Error text from the downstream system, only when its response is discussed with Computop Helpdesk .	Fehlertext vom nachgelagerten System, nur wenn mit dem Computop Helpdesk abgesprochen.
TID	ans..64	OC	Only for Alipay: TransactionID generated by Alipay system. Not included when it's payment of WeChat Pay.	Nur für Alipay: Vom Alipay-System erzeugte TransactionID. Bei einer Zahlung mit WeChat Pay nicht enthalten.

Result parameters for payments with Unified Barcode payment

Credit / Reversal

Credits with reference and Reversals depend on the selected payment scheme Alipay or WeChat Pay. For processing such follow-up transactions please see the respective manuals for [Alipay](#) or [WeChat Pay](#).