

Documentazione

MPR Express Checkout

Integrazione avanzata di Stripe per PrestaShop 1.7.8+ che fornisce il checkout express da qualsiasi pagina. I clienti completano gli acquisti istantaneamente utilizzando portafogli digitali, carte e metodi di pagamento regionali senza il flusso di checkout tradizionale.

Version: 1.7.3 **Author:** mypresta.rocks **License:** Commercial **PrestaShop**

Compatibility: 1.6 - 1.7.8.11+

Indice

- [Panoramica](#)
- [Funzionalità principali](#)
- [Metodi di pagamento](#)
- [Sistema di temi delle icone](#)
- [Architettura](#)
- [Schema del database](#)
- [Sviluppo](#)
- [Configurazione](#)
- [Controller Frontend](#)
- [Controller Admin](#)
- [Punti di integrazione](#)
- [Sistema preventivi/RFQ](#)
- [Roadmap futura](#)

Panoramica

MPR Express Checkout trasforma l'esperienza e-commerce consentendo acquisti con un clic dalle pagine prodotto, carrello e checkout. Basato sull'API Payment Intents di Stripe, supporta 31+ metodi di pagamento inclusi portafogli digitali, bonifici bancari regionali e soluzioni Buy Now Pay Later.

Il modulo presenta un modal di checkout unificato che consolida la registrazione del cliente, la gestione degli indirizzi, la selezione della spedizione e l'elaborazione dei pagamenti in un'unica interfaccia ottimizzata, riducendo significativamente l'abbandono del carrello e aumentando le conversioni mobili.

Funzionalità principali

Esperienza Express Checkout

- **One-Click Purchase:** Buy directly from product pages, cart, or any page type
- **Unified Modal:** Single modal interface for complete checkout flow
- **Smart Cart Management:** Automatic cart creation, merging, and recovery
- **Real-Time Validation:** Instant voucher validation and shipping calculation
- **Mobile Optimized:** Native wallet integration (Apple Pay, Google Pay, Samsung Pay)

Elaborazione dei pagamenti

- **Stripe Integration:** Full Stripe Payment Intents API support
- **31+ Payment Methods:** Wallets, cards, bank transfers, BNPL, and manual methods
- **Saved Cards:** Secure card storage for repeat purchases
- **Payment Recovery:** Abandoned payment cart recovery system

- **Webhook Processing:** Real-time payment status updates

Esperienza cliente

- **Social Login:** Google, Facebook, Apple, Microsoft authentication
- **Guest Checkout:** Complete purchases without account creation
- **Address Autocomplete:** Google Places API integration
- **VAT Validation:** VIES API integration for EU businesses
- **Multi-Language:** Translations for 7+ languages (EN, PL, DE, FR, ES, IT, NL)

Funzionalità B2B

- **Company Accounts:** Multi-user company account support
- **VAT Exemption:** Tax exemption handling for qualifying businesses
- **Purchase Orders:** PO number support for credit account payments
- **Trade Credit:** Credit account payment method
- **Quote/RFQ System:** Request for Quote workflow with negotiation support

Strumenti di amministrazione

- **Dashboard:** Transaction overview and performance metrics
 - **Transaction Management:** View and manage all payment transactions
 - **Refund Processing:** Full and partial refund support
 - **Charge Details:** Complete payment and fee breakdown
 - **Quote Management:** Create, edit, and manage customer quotes
 - **Social Customer Tracking:** Monitor social login registrations
 - **Shipping Service Config:** Configure carriers with transit times
 - **Integrity Checker:** Validate module configuration and database
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Metodi di pagamento

Il modulo supporta **31 metodi di pagamento** in piu categorie, ciascuno con icone dedicate e traduzioni localizzate.

Portafogli e carte (8 metodi)

Portafogli digitali e pagamenti con carta con autorizzazione istantanea:

1. **Google Pay** - Google digital wallet (Chrome browser)
2. **Apple Pay** - Apple digital wallet (Safari/iOS)
3. **Card** - Visa, Mastercard, Amex, JCB, Cartes Bancaires
4. **PayPal** - PayPal wallet and account payments
5. **Amazon Pay** - Amazon account payments
6. **Link** - Stripe Link (saved payment details)
7. **Samsung Pay** - Samsung digital wallet
8. **Revolut** - Revolut digital wallet

Metodi bancari europei (9 metodi)

Metodi di pagamento bancari regionali popolari in Europa:

9. **iDEAL** - Netherlands bank transfer (EUR only)
10. **Bancontact** - Belgian bank payment (EUR only)
11. **BLIK** - Polish mobile payment (PLN only)
12. **Przelewy24** - Polish online banking (PLN, EUR)
13. **EPS** - Austrian bank transfer (EUR only)
14. **Multibanco** - Portuguese payment system (EUR only)
15. **Twint** - Swiss mobile payment (CHF only)
16. **Satispay** - Italian mobile payment (EUR only)
17. **MobilePay** - Nordic mobile payment (DKK, NOK, SEK, EUR)

Metodi di pagamento asiatici (5 metodi)

Metodi di pagamento popolari nei mercati asiatici:

18. **Alipay** - Chinese digital wallet (CNY, EUR, GBP, USD)
19. **WeChat Pay** - Chinese mobile payment (CNY, EUR, GBP, USD)
20. **Kakao Pay** - Korean mobile payment (KRW only)
21. **Naver Pay** - Korean payment platform (KRW only)
22. **Payco** - Korean digital wallet (KRW only)

Buy Now Pay Later (4 metodi)

Soluzioni di pagamento rateale e differito:

23. **Klarna** - BNPL in 11 currencies (EUR, USD, GBP, SEK, NOK, DKK, CHF, PLN, AUD, NZD, CAD)
24. **Afterpay / Clearpay** - BNPL in 6 currencies (USD, CAD, AUD, NZD, GBP, EUR)
25. **Alma** - French BNPL (EUR, 10 European countries)
26. **Billie** - B2B BNPL (EUR, 7 European countries)

Bonifici bancari e addebito diretto (1 metodo)

Pagamenti diretti da conto bancario:

27. **SEPA Debit** - European direct debit (EUR only)

Metodi manuali/offline (4 metodi)

Metodi di pagamento tradizionali elaborati offline:

28. **Bank Transfer** - Manual bank wire transfer
 29. **Cash on Delivery (COD)** - Pay on delivery
 30. **Credit Account** - Trade account with credit terms
 31. **Store Pickup** - Pay on pickup at physical location
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Sistema di temi delle icone

Il modulo include un sistema di icone completo con **8 varianti di tema** per abbinarsi a qualsiasi design del negozio:

Temi delle icone (4 schemi di colori)

1. **Light Mode** - Light backgrounds with dark text
2. **Dark Mode** - Dark backgrounds with light text
3. **Light Accent** - Light backgrounds with brand color accents
4. **Dark Accent** - Dark backgrounds with brand color accents

Forme delle icone (2 proporzioni)

1. **Rectangle** - Wide format for checkout pages and payment options lists
2. **Square** - Compact format for payment buttons and unified modal

Configurazione delle icone

- **Total Icon Variants:** 31 methods × 4 themes × 2 shapes = **248 SVG icons**
- **Path Structure:** `views/img/payment-icons/{shape}/{theme}/{method}.svg`
- **Dynamic Theming:** Icons loaded based on admin configuration
- **Card Brand Icons:** Separate icons for Visa, Mastercard, Amex, JCB, Cartes Bancaires

Percorsi di esempio:

```
views/img/payment-icons/rectangle/light-mode/google_pay.svg  
views/img/payment-icons/square/dark-accent/apple_pay.svg  
views/img/payment-icons/rectangle/light-mode/visa.svg
```

Architettura

Struttura delle directory

```
mprepresscheckout/
├── mprepresscheckout.php      # Main module class (3,600+ lines)
├── config.xml                 # Module metadata
├── composer.json              # PHP dependencies
├── package.json               # Node.js build tools
├── Gruntfile.js               # Grunt task configuration
├── gulpfile.js                # Gulp build pipeline
|
├── src/                       # Namespaced PHP classes
|   ├── Classes/              # Core business logic (30+ classes, 28K+ lines)
|   |   ├── MPRExpressCheckoutConfig.php      # Configuration management
|   |   ├── MPRExpressCheckoutCart.php        # Virtual cart handling
|   |   ├── MPRExpressCheckoutTransaction.php  # Payment transactions
|   |   ├── MPRExpressCheckoutCharge.php       # Stripe charge details
|   |   ├── MPRExpressCheckoutRefund.php       # Refund processing
|   |   ├── MPRExpressCheckoutPaymentOption.php # Payment method config
|   |   ├── MPRExpressCheckoutPaymentMethod.php # Saved payment methods
|   |   ├── MPRExpressCheckoutOrderProcessor.php # Order creation logic
|   |   ├── MPRExpressCheckoutAddress.php      # Address management
|   |   ├── MPRExpressCheckoutSocialAuth.php  # Social login (Google, FB, Apple, MS)
|   |   ├── MPRExpressCheckoutCustomer.php    # Customer handling
|   |   ├── MPRExpressCheckoutShippingService.php # Carrier configuration
|   |   ├── MPRExpressCheckoutSession.php     # Session tracking
|   |   ├── MPRExpressCheckoutWebhookEvent.php # Stripe webhook handler
|   |   ├── MPRExpressCheckoutVatValidator.php # EU VAT validation
|   |   ├── MPRExpressCheckoutSMS.php         # SMS notifications
|   |   ├── MPRExpressCheckoutIntegrity.php   # System integrity checks
|   |   ├── MPRExpressCheckoutAdminOrder.php  # Admin order creation
|   |   ├── MPRExpressCheckoutDbQuery.php     # Database query builder
|   |   ├── MPRExpressCheckoutErrorHandler.php # Error handling
|   |   ├── MPRExpressCheckoutTranslations.php # Translation management
|   |   ├── MPRExpressCheckoutQuote.php       # Quote management (ObjectModel)
|   |   ├── MPRExpressCheckoutQuoteItem.php   # Quote line items (ObjectModel)
|   |   └── MPRExpressCheckoutQuoteStatus.php # Quote status workflow (ObjectModel)
```

```

| | └─ MPRExpressCheckoutQuoteMessage.php      # Quote messaging (ObjectModel)
| | └─ MPRExpressCheckoutQuoteHistory.php     # Quote audit trail (ObjectModel)
| | └─ MPRExpressCheckoutQuotePdf.php        # Quote PDF generation
| |
| └─ Config/                                # Configuration classes
| | └─ PaymentMethodsConfig.php             # All payment method definitions
| | └─ PaymentMethodsTranslations.php       # Multi-language translations
| |
| └─ Traits/                                # Reusable trait components
| | └─ AdminController/                    # Admin list management traits
| | └─ Compatibility/                      # PrestaShop compatibility
| | └─ ObjectModel/                        # ORM extensions
| | └─ Associations/                       # Database associations
|
└─ controllers/                             # PrestaShop controllers
| └─ front/                                # Frontend controllers (20 controllers)
| | └─ Checkout.php                        # Main checkout modal
| | └─ Processing.php                      # Payment processing
| | └─ Ajax.php                            # AJAX endpoint handler
| | └─ Webhook.php                         # Stripe webhook receiver
| | └─ PaymentStatus.php                  # Payment status page
| | └─ Recover.php                        # Cart recovery
| | └─ Cards.php                          # Saved cards management
| | └─ Login.php                          # Customer login
| | └─ Register.php                       # Customer registration
| | └─ ForgotPassword.php                 # Password recovery
| | └─ Account.php                        # Customer account
| | └─ Identity.php                       # Personal information
| | └─ Address.php                        # Single address management
| | └─ Addresses.php                      # Address book
| | └─ Cart.php                           # Cart management
| | └─ Quotes.php                         # Customer quotes list
| | └─ Quote.php                          # Single quote detail view
| | └─ QuoteRequest.php                   # Quote request form
| | └─ QuotePdf.php                       # Quote PDF download
| |
| └─ admin/                                # Backend controllers (16 controllers)

```



```
|   └─ options/                # UI element icons
|
├─ sources/                    # Source files for build
|   └─ js/                     # JavaScript source files
|   └─ css/                    # SCSS source files
|
├─ sql/                        # Database installation
|   └─ install.php            # Table creation (28 tables)
|   └─ uninstall.php         # Table cleanup
|
├─ upgrade/                   # Version upgrade scripts
├─ translations/             # Language files
├─ mails/                    # Email templates
├─ vendor/                   # Composer dependencies
└─ node_modules/             # NPM build dependencies
```

Schema del database

Il modulo crea **34 tabelle del database** per gestire tutti gli aspetti del checkout express:

Table principali

mprepresscheckout_cart - Virtual cart storage

- Stores express checkout sessions with customer data, addresses, and selections
- Includes cart recovery data with expiry dates
- Tracks page context (product, cart, checkout, etc.)

mprepresscheckout_config - Module configuration

- Key-value storage with context support (shop, language, group)
- Multilingual configuration via `_lang` table

mprepresscheckout_payment_options - Payment method configuration

- Payment method settings and availability
- Context-based restrictions (country, currency, browser, page type)
- Position ordering and Stripe enablement flags

Tabelle transazioni e pagamenti

mprepresscheckout_transactions - Payment transactions

- Links virtual carts to orders
- Transaction type tracking (express, checkout, terminal, invoice, etc.)
- Payment state management and error tracking

mprepresscheckout_charges - Stripe charge details

- Payment Intent and Charge IDs
- Fee calculation and exchange rates
- Risk assessment scores
- Receipt URLs and payment method details

mprepresscheckout_refunds - Refund records

- Full and partial refund tracking
- Employee attribution
- Refund state and reason tracking

mprepresscheckout_payment_methods - Saved payment methods

- Stored card details (last4, brand, expiry)
- Links to Stripe Customer IDs

Tabelle clienti e Social Login

mprepresscheckout_customers - Stripe customer mapping

- Links PrestaShop customers to Stripe Customer IDs
- Email tracking for guest customers

`mprepresscheckout_social_customers` - Social authentication

- Google, Facebook, Apple, Microsoft account links
- Platform user IDs and profile pictures

`mprepresscheckout_social_logins` - Login tracking

`mprepresscheckout_social_registrations` - Registration tracking

Tabelle spedizione e consegna

`mprepresscheckout_shipping_service` - Carrier configuration

- Transit time estimates (min/max days)
- Display modes and position ordering
- Separate activation flags for express checkout and OPC

`mprepresscheckout_shipping_service_lang` - Carrier translations

`mprepresscheckout_shipping_service_payment_options` - Payment method restrictions

per carrier `mprepresscheckout_shipping_service_external_modules` - Third-party carrier module integration

Tabelle dettaglio carrello virtuale

`mprepresscheckout_cart_customer` - Customer information

`mprepresscheckout_cart_product` - Cart products `mprepresscheckout_cart_address` -

Shipping/billing addresses `mprepresscheckout_cart_rule` - Applied vouchers/discounts

Tabelle sessioni e tracciamento

`mpr_sessions` - Shared session tracking

- Device, browser, OS detection
- UTM campaign tracking
- Landing page tracking

- IP and user agent storage

`mprepresscheckout_admin_preferences` - Admin user preferences

`mprepresscheckout_admin_order` - Admin-created orders `mprepresscheckout_sso_codes`

- SMS authentication codes `mprepresscheckout_customer_vat` - VAT validation results

Tabelle B2B e aziendali

`mpr_customer` - Extended customer data

- Default preferences (address, carrier, payment)
- Two-factor authentication settings
- Marketing consent tracking (GDPR compliant)
- Tax exemption status

`mpr_company` - Company account data

- VAT number and validation
- Company verification status
- Invite links and domain matching

`mpr_company_member` - Company membership

- Role-based access (admin/member)
- Granular permissions (advanced mode)
- Join method tracking (invite, domain, VAT, admin)

`mpr_company_address` - Shared company addresses `mpr_company_invite` - Email-based company invitations

Tabelle preventivi/RFQ

`mprepresscheckout_quote` - Quote management

- Customer and shop associations
- Pricing totals (products, shipping, discounts, tax)

- Validity dates and payment link tokens
- Status tracking and order conversion
- Admin/customer message history

`mprepresscheckout_quote_item` - Quote line items

- Product references with attributes
- Custom pricing (original vs. quoted price)
- Quantity and discount tracking
- Tax rate and amount

`mprepresscheckout_quote_status` - Quote workflow statuses

- Status name and color coding
- Multilingual labels via `_lang` table
- System flags for built-in statuses
- Position ordering

`mprepresscheckout_quote_message` - Quote communication

- Customer and admin messages
- Timestamps and read status
- Employee attribution for admin messages

`mprepresscheckout_quote_history` - Quote audit trail

- Status change tracking
 - Employee attribution
 - Timestamp logging
-

Sviluppo

Prerequisiti

Il modulo richiede un ambiente di sviluppo Docker. Vedere `CLAUDE.md` nella radice del repository per la configurazione completa.

Strumenti richiesti:

- PHP 8.4.11 (via Docker `dev-tools` container)
- Node.js 20.19.2
- npm 9.2.0
- Composer 2.8.12

Comandi di build

Tutti i comandi devono essere eseguiti tramite il contenitore Docker:

```
# Navigate to module directory
cd /mnt/hdd/docker/ps178-mprepresscheckout/html/modules/mprepresscheckout

# Install PHP dependencies
sudo docker exec -w "$PWD" dev-tools composer install

# Install Node.js dependencies
sudo docker exec -w "$PWD" dev-tools npm install

# Build all assets (JavaScript + CSS)
sudo docker exec -w "$PWD" dev-tools npm run build

# Watch for changes during development
sudo docker exec -w "$PWD" dev-tools npm run watch

# JavaScript build only
sudo docker exec -w "$PWD" dev-tools npm run js:build
sudo docker exec -w "$PWD" dev-tools npm run js:watch

# Webpack build
sudo docker exec -w "$PWD" dev-tools npm run webpack:build
sudo docker exec -w "$PWD" dev-tools npm run webpack:watch
```

Sistema di build

Il modulo utilizza un sistema di build ibrido:

Gulp - Strumento di build principale

- SCSS compilation to CSS
- JavaScript bundling with Rollup
- Minification with Terser
- Source file watching

Webpack - Bundler alternativo

- Module bundling
- Code splitting
- Production optimization

Grunt - Confezionamento release

- ZIP archive creation for distribution

File sorgente

JavaScript Sources: `sources/js/`

- Organized by feature (checkout, payment, social, etc.)
- ES6+ syntax with transpilation
- Compiled to `views/js/`

CSS Sources: `sources/css/`

- SCSS with variables and mixins
- Component-based structure
- Compiled to `views/css/`

Qualità del codice

```
# PHP syntax check
sudo docker exec -w "$PWD" dev-tools php -l file.php

# Check PHP version
sudo docker exec dev-tools php -v

# Check installed PHP modules
sudo docker exec dev-tools php -m
```

Configurazione

Pagine di configurazione admin

Accesso tramite il pannello di amministrazione PrestaShop sotto **Modules > Module Manager > MPR Express Checkout**.

Schede principali:

1. **Dashboard** - Transaction overview and statistics
2. **Configuration** - Stripe API keys, payment method settings, icon themes
3. **Transactions** - All payment transactions with filters
4. **Charges** - Stripe charge details and fees
5. **Refunds** - Refund management interface
6. **Payment Options** - Enable/disable methods, set restrictions
7. **Payment Methods** - Customer saved payment methods
8. **Social Customers** - Social login registrations
9. **Carts** - Express checkout cart sessions
10. **Sessions** - Traffic and attribution tracking
11. **Shipping Services** - Carrier configuration
12. **Quotes** - Quote management and creation

13. **Quote Statuses** - Customize quote workflow statuses

14. **Integrity** - System health checks

Configurazione dei metodi di pagamento

Ogni metodo di pagamento puo essere configurato con:

- **Enabled/Disabled** status
- **Country restrictions** (specific countries only)
- **Currency restrictions** (supported currencies only)
- **Browser restrictions** (e.g., Apple Pay requires Safari)
- **Page type restrictions** (product, cart, checkout)
- **Shop/Language/Group context** (multistore support)

Impostazioni tema icone

Configure in **Configuration** tab:

- **Icon Theme:** Light Mode, Dark Mode, Light Accent, Dark Accent
- **Card Display Mode:** Generic card icon OR individual card brand icons
- **Card Brands:** Select which card brands to display (Visa, Mastercard, Amex, JCB, Cartes Bancaires)

Impostazioni Stripe

Required configuration:

- **Test Mode API Key** (Publishable & Secret)
- **Live Mode API Key** (Publishable & Secret)
- **Webhook Secret** (for payment status updates)
- **Mode Toggle** (Test/Live)

Impostazioni Social Login

Configure OAuth credentials for:

- **Google** - Client ID and Client Secret
- **Facebook** - App ID and App Secret
- **Apple** - Service ID, Team ID, Key ID, Private Key
- **Microsoft** - Client ID and Client Secret

Google Places API

For address autocomplete:

- **API Key** - Google Maps JavaScript API with Places library enabled
-

Controller Frontend

Il modulo fornisce 16 controller frontend accessibili tramite i link del modulo:

Controller del flusso di checkout

Checkout.php - Main unified checkout modal

- Displays payment method selection
- Handles customer authentication
- Manages address forms
- Shipping method selection
- Order review and confirmation

Processing.php - Payment processing handler

- Stripe Payment Intent confirmation
- Order creation after successful payment
- Redirect to order confirmation

PaymentStatus.php - Payment result page

- Success/failure messaging
- Order details display
- Error handling

Controller gestione clienti

Login.php - Customer login

- Email/password authentication
- Social login integration
- Remember me functionality

Register.php - Customer registration

- Account creation form
- Social registration
- Email verification

ForgotPassword.php - Password recovery

- Email-based password reset
- Security code generation

Account.php - Customer account overview **Identity.php** - Personal information management

Controller gestione indirizzi

Address.php - Single address CRUD

- Add new address
- Edit existing address
- Delete address
- Google Places autocomplete integration

Addresses.php - Address book listing

- View all addresses
- Set default addresses
- Quick actions

Controller pagamento e carrello

Cards.php - Saved payment methods

- List stored cards
- Delete payment methods
- Set default card

Cart.php - Cart management

- View cart contents
- Update quantities
- Apply vouchers

Recover.php - Cart recovery

- Recover abandoned carts via email link
- Restore cart session
- Continue to checkout

Controller preventivi

Quotes.php - Customer quotes list

- View all quotes with status filtering
- Pagination and sorting
- Quick actions (view, download PDF)

Quote.php - Single quote detail view

- Quote items with pricing

- Status and validity display
- Accept/reject quote actions
- Request changes functionality
- Messaging with admin
- Payment link access

QuoteRequest.php - Quote request form

- Request quote for single product
- Request quote for entire cart
- Guest and logged-in customer support
- Custom message to admin

QuotePdf.php - Quote PDF download

- Generate professional PDF quotes
- Customer-facing download
- Secure token validation

Controller API

Ajax.php - AJAX endpoint handler

- Address validation
- Shipping rate calculation
- Voucher validation
- Country/state lists
- Product availability checks

Webhook.php - Stripe webhook receiver

- Payment Intent updates
- Charge succeeded/failed events

- Refund notifications
 - Automatic order status updates
-

Controller Admin

16 controller backend gestiscono tutte le funzioni amministrative:

AdminMPRExpressCheckoutDashboardController - Main dashboard with KPIs

AdminMPRExpressCheckoutConfigController - Module configuration interface

AdminMPRExpressCheckoutTransactionsController - Transaction list and details

- Filter by status, date, amount, customer
- Export to CSV
- View transaction timeline

AdminMPRExpressCheckoutChargesController - Charge details

- Payment Intent and Charge IDs
- Fee breakdown
- Risk scores
- Receipt links

AdminMPRExpressCheckoutRefundsController - Refund management

- Initiate full/partial refunds
- View refund history
- Track refund status

AdminMPRExpressCheckoutPaymentOptionsController - Payment method settings

- Enable/disable methods
- Set country/currency restrictions
- Configure context rules

- Reorder display positions

AdminMPRExpressCheckoutPaymentMethodsController - Customer saved cards

- View all stored payment methods
- Delete payment methods
- Customer association

AdminMPRExpressCheckoutSocialCustomersController - Social login tracking

- View social registrations
- Platform statistics
- Login history

AdminMPRExpressCheckoutCartsController - Express checkout sessions

- View virtual carts
- Cart recovery status
- Customer matching
- Expiry management

AdminMPRExpressCheckoutSessionsController - Traffic analytics

- Session tracking
- UTM campaign data
- Landing page analysis
- Device/browser stats

AdminMPRExpressCheckoutShippingServiceController - Carrier configuration

- Set transit times
- Configure display modes
- Payment method restrictions
- External module integration

AdminMPRExpressCheckoutQuotesController - Quote management

- View and filter all quotes
- Create quotes from admin
- Edit quote items and pricing
- Send quotes to customers
- Convert quotes to orders
- Generate payment links
- Message customers
- View quote history

AdminMPRExpressCheckoutQuoteStatusesController - Quote status management

- Create custom statuses
- Edit status colors and labels
- Multilingual status names
- Reorder status display

AdminMPRExpressCheckoutIntegrityController - System health checks

- Database integrity validation
- Configuration validation
- File integrity checks
- Dependency verification

AdminMPRExpressCheckoutAjaxController - Admin AJAX endpoint

- Dynamic form updates
- Autocomplete suggestions
- Quick actions

Punti di integrazione

PrestaShop Hooks

Il modulo si integra in piu punti del ciclo di vita di PrestaShop:

Hooks pagina prodotto:

- `displayProductAdditionalInfo` - Express checkout button on product pages
- `displayProductActions` - Alternative button placement

Hooks carrello:

- `displayShoppingCart` - Express checkout in cart
- `displayShoppingCartFooter` - Cart footer buttons

Hooks checkout:

- `displayPaymentReturn` - Order confirmation messaging
- `paymentOptions` - Add payment methods to checkout
- `displayOrderConfirmation` - Post-order actions

Hooks cliente:

- `actionAuthentication` - Post-login actions
- `actionCustomerAccountAdd` - Post-registration actions
- `actionObjectCustomerUpdateAfter` - Customer data sync

Hooks ordini:

- `actionValidateOrder` - Order creation tracking
- `actionOrderStatusUpdate` - Sync order status with Stripe
- `displayAdminOrder` - Admin order page additions

Hooks Header/Footer:

- `displayHeader` - Load Stripe.js and module assets
- `displayFooter` - Initialize checkout scripts

Integrazioni API esterne

Stripe API

- Payment Intents API for payment processing
- Customers API for saved payment methods
- Charges API for transaction details
- Refunds API for refund processing
- Webhooks for real-time updates

Google APIs

- Google Sign-In for OAuth authentication
- Google Places API for address autocomplete

Facebook API

- Facebook Login for OAuth authentication
- Graph API for user profile data

Apple Sign In

- Sign in with Apple for iOS/macOS users
- JWT token validation

Microsoft Identity Platform

- Microsoft account authentication
- Azure AD integration

VIES API

- EU VAT number validation
 - Company verification
-

Sistema preventivi/RFQ

Il modulo include un sistema completo di preventivi/richesta di preventivo (RFQ) per il commercio B2B, che consente ai clienti di richiedere prezzi personalizzati e agli admin di creare offerte su misura.

Workflow preventivi

Ciclo di vita degli stati:

1. **Pending** - Initial quote request from customer
2. **Draft** - Admin is preparing the quote
3. **Sent** - Quote sent to customer for review
4. **Negotiating** - Customer requested changes, discussion ongoing
5. **Accepted** - Customer accepted the quote
6. **Rejected** - Customer declined the quote
7. **Expired** - Quote validity period passed
8. **Converted** - Quote converted to order
9. **Cancelled** - Quote cancelled by admin

Funzionalità cliente

Richiesta preventivo:

- Request quotes from product pages via "Request Quote" button
- Request quotes for entire cart contents
- Add custom messages explaining requirements
- Guest quote requests (if enabled)

Gestione preventivi:

- View all quotes in "My Quotes" section of customer account
- See pending quote count badge
- View detailed quote with itemized pricing

- Accept or reject quotes with one click
- Request changes with explanation message
- Message admin directly on quote detail page
- Download PDF version of quotes
- Access payment link for accepted quotes

Funzionalità admin

Creazione preventivo:

- Create quotes from admin panel
- Import products from existing cart or order
- Add products with custom pricing
- Set item-level discounts
- Configure shipping costs
- Set quote validity period

Gestione preventivi:

- View all quotes with advanced filtering
- Edit quote items and pricing anytime
- Send quotes to customers
- Generate secure payment links
- View and respond to customer messages
- Track full quote history (status changes, messages)
- Convert accepted quotes to orders

Stati preventivi:

- 9 built-in statuses with colors
- Create custom statuses
- Multilingual status labels

- Reorder status display

Generazione PDF

I preventivi PDF professionali includono:

- Company logo and branding
- Quote reference and dates
- Customer billing/shipping addresses
- Itemized product list with images
- Individual and total pricing
- Terms and conditions
- Validity period
- Custom footer text

Opzioni di configurazione

- Enable/disable quote system globally
- Show/hide "Request Quote" button on product pages
- Show/hide "Request Quote" button in cart
- Allow guest quote requests
- Default quote validity period
- PDF customization (logo, terms, footer)
- Email notifications for quote events

Hooks

Hooks prodotto/carrello:

- `displayQuoteButtonProduct` - "Request Quote" button on product pages
- `displayShoppingCartFooter` - "Request Quote" button in cart

Account cliente:

- `displayCustomerAccount` - "My Quotes" link with pending badge
-

Roadmap futura

Funzionalità pianificate

Espansione metodi di pagamento

- Additional regional payment methods
- Cryptocurrency support (Bitcoin, Ethereum)
- Local payment gateways beyond Stripe

Funzionalità B2B migliorate

- ~~Quote request system~~ Implemented
- Approval workflows for company purchases
- Custom pricing per company/customer
- Volume discount automation
- Credit limit enforcement

Recupero avanzato del carrello

- Multi-step email sequences
- SMS cart recovery
- Push notifications for abandoned carts
- Dynamic discount offers in recovery emails

Analisi e reportistica

- Conversion funnel analysis
- Payment method performance comparison
- Geographic sales mapping
- Customer lifetime value tracking

- A/B testing framework for checkout variations

Abbonamenti e pagamenti ricorrenti

- Subscription product support
- Automatic recurring billing
- Subscription management portal
- Trial period handling

Miglioramenti multi-valuta

- Dynamic currency conversion at checkout
- Display prices in customer's local currency
- Multi-currency saved payment methods

Integrazione app mobile

- Native mobile SDK
- In-app payment processing
- Mobile wallet integration expansion

Funzionalità basate su AI

- Fraud detection using machine learning
- Predictive cart abandonment prevention
- Smart payment method recommendations
- Personalized checkout experiences

Ottimizzazioni delle prestazioni

- Service worker for offline cart management
- Progressive web app (PWA) checkout
- Lazy loading of payment method scripts
- CDN integration for static assets

Conformità e sicurezza

- PSD2 Strong Customer Authentication (SCA)
- GDPR data export/deletion tools
- SOC 2 compliance reporting
- Enhanced fraud prevention rules

Strumenti per sviluppatori

Suite di test

- Unit tests for all classes
- Integration tests for payment flows
- End-to-end testing with Puppeteer
- Performance benchmarking tools

API & Webhooks

- Public API for headless commerce
- Custom webhook events
- GraphQL API support

Documentazione

- Developer API documentation
- Integration guides for third-party modules
- Theme customization guide
- Video tutorials

Supporto e risorse

Documentation: [/docs/](#) directory **License:** Commercial - restricted domains only

Author: mypresta.rocks (info@mypresta.rocks) **Repository:**

<https://github.com/myprestarocks/mprepresscheckout>

Specifiche tecniche

PHP Requirements: 7.1.3+ (Tested with PHP 8.4.11) **PrestaShop Version:** 1.6 - 1.7.8.11+ **Database:** MySQL 5.5+ / MariaDB **Dipendenze esterne:**

- Stripe PHP SDK (via Composer)
- Firebase JWT (for social login token validation)
- Google Closure Compiler (dev dependency)
- Webpack, Gulp, Grunt (dev dependencies)

Supporto browser:

- Chrome 90+ (Google Pay, Samsung Pay)
- Safari 14+ (Apple Pay)
- Firefox 88+
- Edge 90+
- Mobile browsers (iOS Safari 14+, Chrome Mobile 90+)

Dimensioni del modulo:

- Total Lines of Code: 35,000+ (PHP classes, controllers, templates)
- Core Classes: 30+ (28,000+ lines)
- Controllers: 36 (20 frontend + 16 admin)
- Database Tables: 34
- SVG Icons: 248
- Supported Languages: 7

Licenza

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