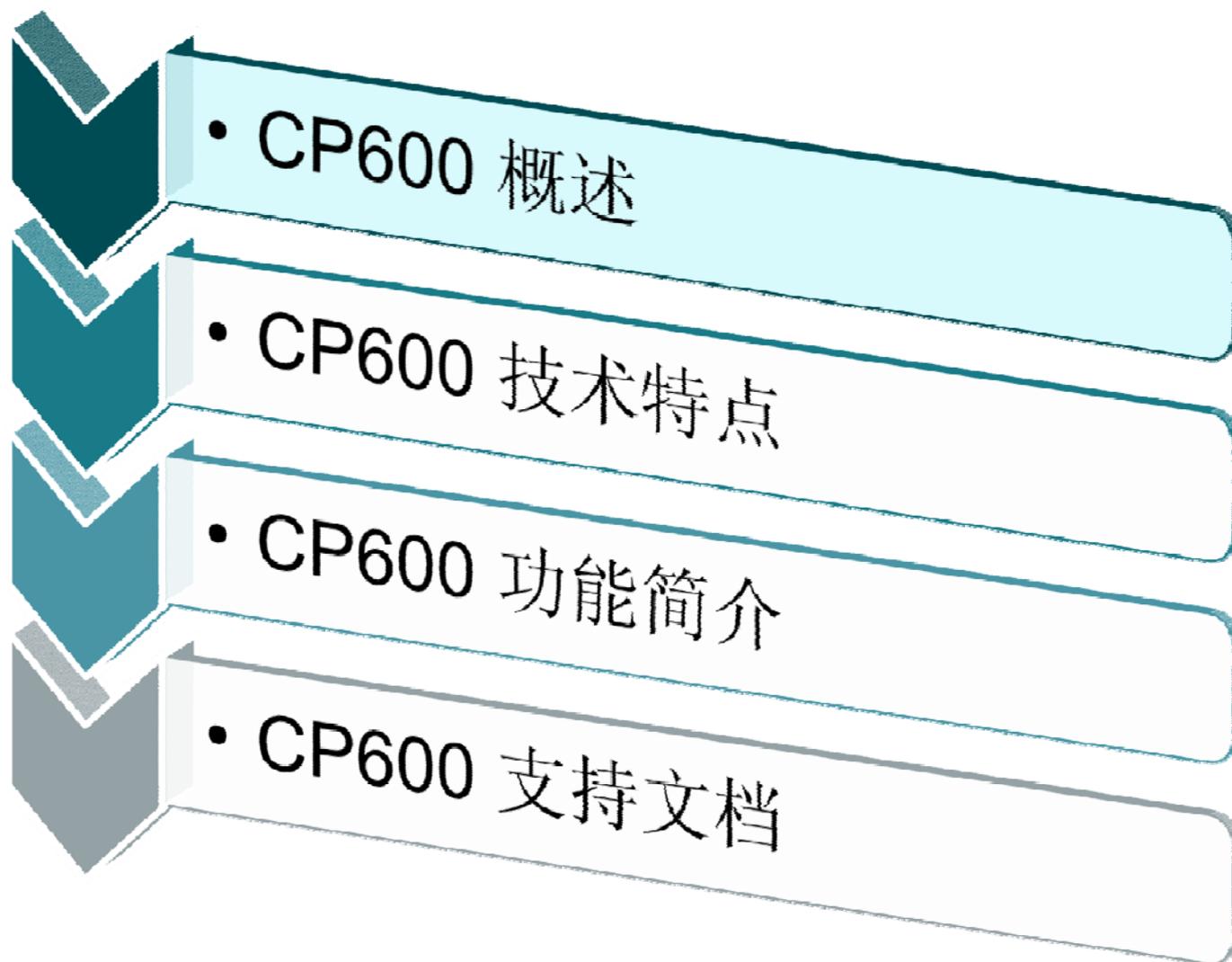




# 新控制面板CP600 介绍

# 新HMI控制面板 目录

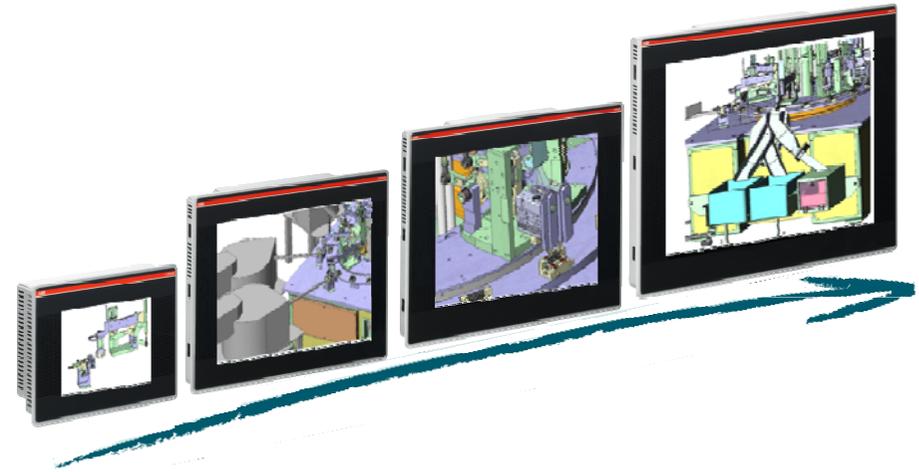


# 新HMI控制面板

## CP600 系列 – 概述

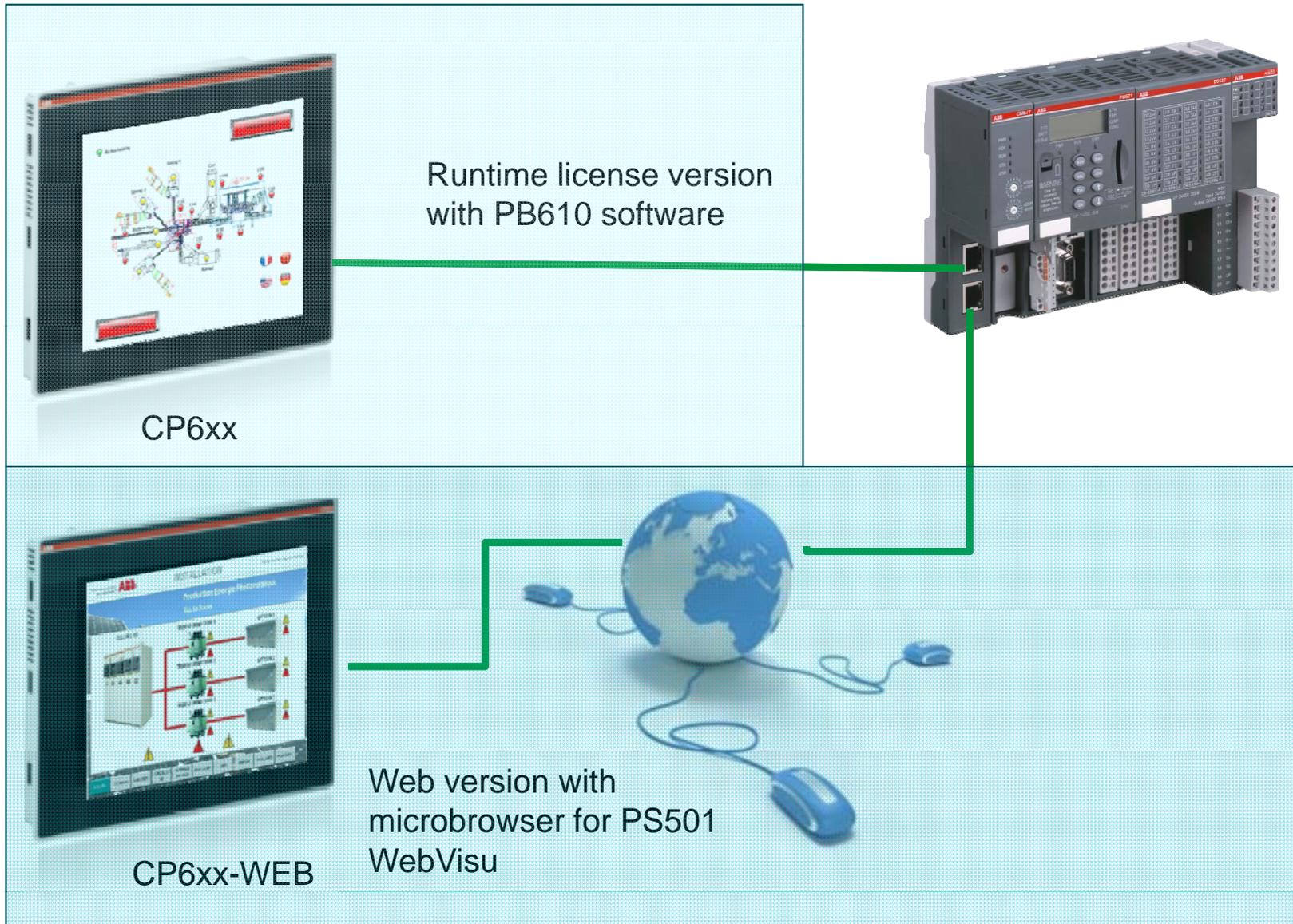
- 硬件介绍
- 软件PB610-简要介绍
  - 安装
  - 功能预览
  - 软件试用
  - 文档

# 新HMI控制面板 CP600技术特点



	CP620 CP620-WEB	CP630 CP630-WEB	CP635 CP635-WEB	CP650 CP650-WEB	CP660 CP660-WEB	CP675 CP675-WEB
屏幕尺寸 分辨率	4,3" 480 x 272	5,7" 320 X 240	7" 800 x 480	10,4" 800 x 600	12,1" 800 x 600	15" 1024 x 768
尺寸(长x高x深)	149 x 109 x 60	187 x 147 x 49	187 x 147 x 49	287 x 232 x 46	337 x 267 x 46	392 x 307 x 51
开孔尺寸	136 x 96	176 x 136	176 x 136	276 x 221	326 x 256	381 x 296
CP6xx	Windows CE 6.0 with runtime licence for PB610 Panel Builder 600					
CP6xx-WEB	Windows CE 6.0 with microbrowser for PS501 WebVisu					
背光	LED	LED	LED	LED	CCFL	CCFL
接口	2x ETH, 1x USB, 1x ser. 1x Exp	2x ETH, 1x USB, 1x ser. 2x Exp	2x ETH, 1x USB, 1x ser. 2x Exp	1x ETH, 1x USB, 2x ser. 1x Aux	1x ETH, 1x USB, 2x ser. 1x Aux	1x ETH, 1x USB, 2x ser. 1x Aux
卡槽	SD card	SD card	SD card			
户存储	128MB FlaDsk 256 MB DDR					

# 新控制面板CP600 2个可用版本

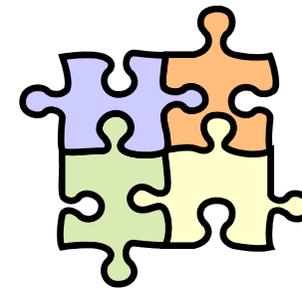


# HMI Panels CP600

## PB610 Panel Builder 600



- 基于XML技术
  - 更易使用
  - 更易配置
- SVG矢量图形
  - 动态对象属性
  - 与嵌入式平台无缝衔接
  - 高性能、高质量
- 开放系统
  - 灵活、模块化、可升级
  - 可定制
  - 可扩展



# HMI Panels CP600

## CP600接线,驱动,标准和认证

### ■ 接线

- CP6xx – AC500: RS232 cable
- CP6xx – AC500(-eCo): RS485 cable

### ■ 驱动

- Modbus TCP
- Modbus RTU
- Variables (CoDeSys ETH)
- ABB CoDeSys ETH
- ABB CoDeSys SER \*
- ABB AC500-eCo / ABB AC500-eCo Ethernet
- ABB PM57x / ABB PM571-ETH
- ABB PM59x, PM58x / PM59x-ETH, PM58x-ETH, PM573-ETH

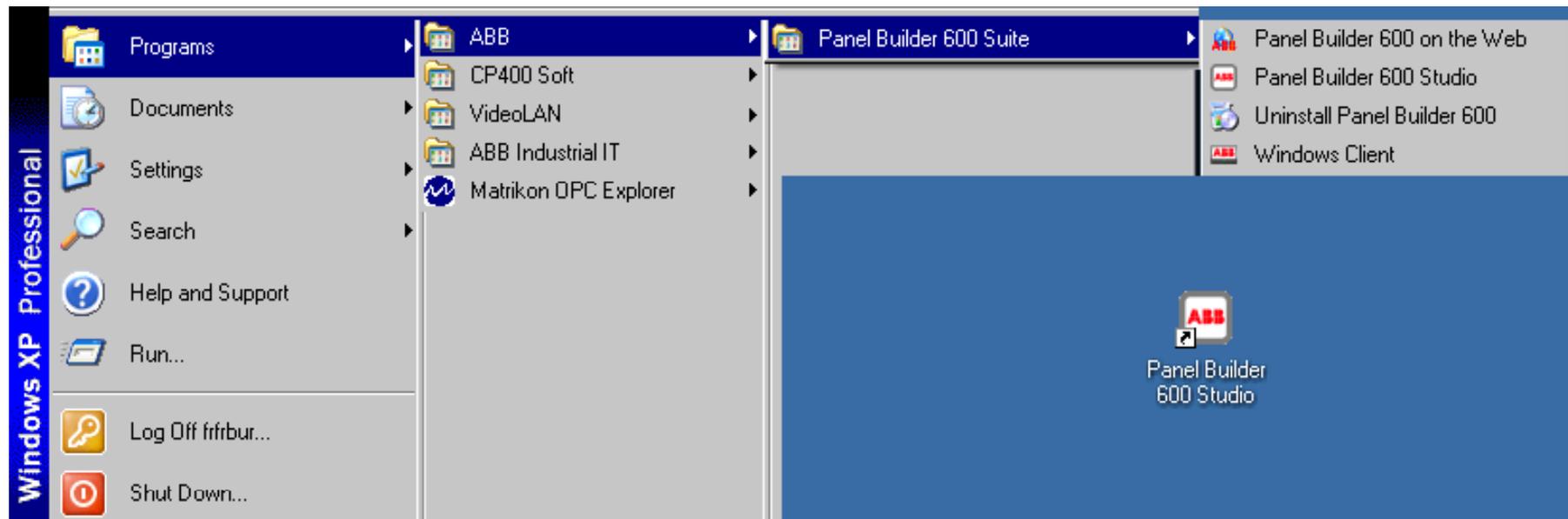


\* in preparation

# New HMI Panels

## CP600 range – PB610 – 安装&运行

- 软件安装(需USB加密狗支持)
- 包含了所有的CP600控制面板类型
- 包含Windows客户端
- 启动PB610 Panel Builder 600的几种方式:
  - 1) 桌面图标 或是 2) 从 Start/programs/ABB/Panel Builder 600 suite



# New HMI Panels

## CP600 range – PB610 – 通过CBP启动PB600

- 直接从V2.1版本后的PS501 Control Builder Plus中启动Panel Builder 600 项目

The screenshot displays the ABB Control Builder Plus interface. The main window shows a project tree on the left with 'Panel Builder 600' selected. A central dialog box titled 'Add Device' is open, showing the device name 'CP600\_Control\_Panel' and the action 'Append device'. A large white box with the text 'Panel Builder 600' and the ABB logo is overlaid on the dialog. Below the dialog, a yellow box contains the text 'Add selected device to the project (top-level)' and a note: '(You can select another target node in the navigator while this window is open.)'. The 'Add Device' and 'Close' buttons are visible at the bottom of the dialog.

ABB-AC500-PLC46.project\* - Control Builder Plus

Name: CP600\_Control\_Panel

Action:

Append device  Insert device  Plug device  Update device

Copyright reserved  
Ask ABB STÖTZ-KONTAKT GmbH for details

ABB

Model Number: 15AP500900R0001  
Description: CP600 Panel project

Add selected device to the project (top-level)

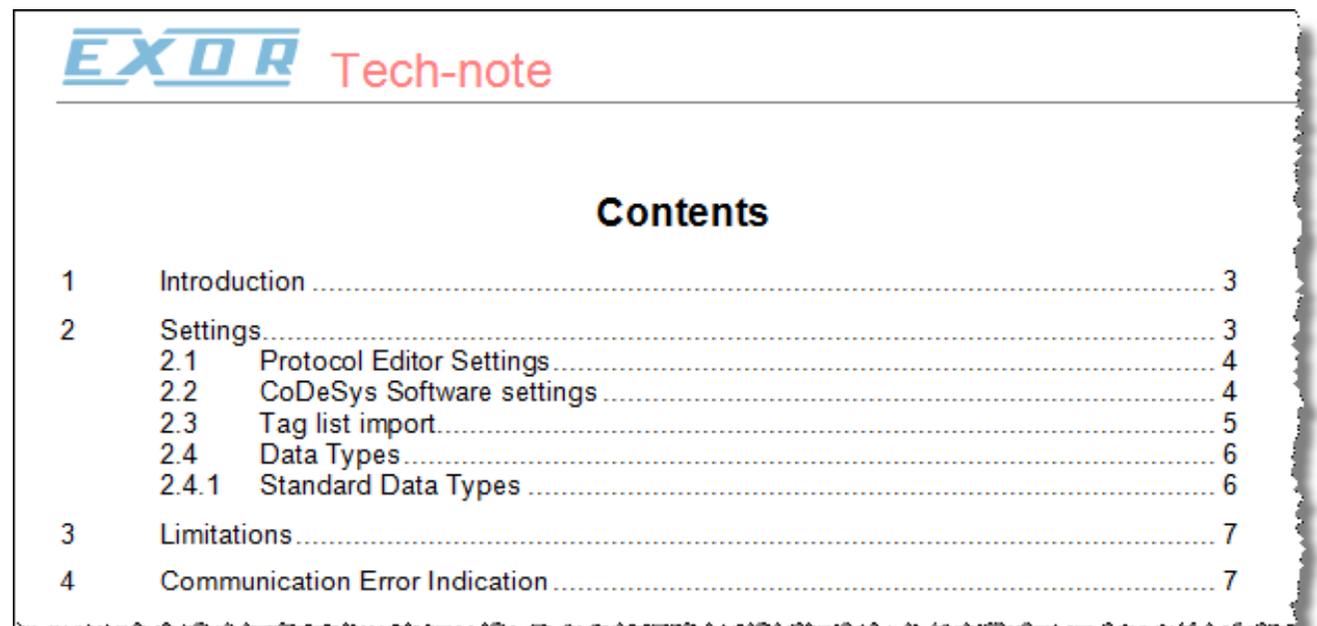
(You can select another target node in the navigator while this window is open.)

Add Device Close

# PB610 Panel Builder

## 驱动文档

- 如何建立通讯基本操作的技术笔记
- 列表显示由协议返回的通讯错误信息
- 接线示意图(当需要时)
- 集成到在线帮助中(即将推出)



The image shows a screenshot of a technical document titled "EXOR Tech-note" with a "Contents" section. The document is framed with a decorative border. The "EXOR" logo is in blue and red, and "Tech-note" is in red. The "Contents" section lists the following items:

Contents		
1	Introduction .....	3
2	Settings.....	3
2.1	Protocol Editor Settings.....	4
2.2	CoDeSys Software settings .....	4
2.3	Tag list import.....	5
2.4	Data Types.....	6
2.4.1	Standard Data Types .....	6
3	Limitations.....	7
4	Communication Error Indication .....	7

# PB610 Panel Builder

## 报警/事件和报警历史记录

- 报警与事件的定义
- 配置报警
  - 触发机制
  - 动作
- 历史报警信息列表
  - 缓冲区
  - 可视化的历史报警信息
- 报警和事件信息的转储功能
- 报警信息中的当前标签值描述
- 运行时，使能或禁止报警



# PB610 Panel Builder

## 多语言

- 多语言支持
- 在项目中加入语言和定义字体等输入设置
  - 每个字符串有自己的字体
  - 依据所选的语言，显示输入系统兼容的字体
  - 字体要同时下载到项目中
- 导出/导入不同语言的字符串
- 支持运行时更改语言

# PB610 Panel Builder

## 安全配置

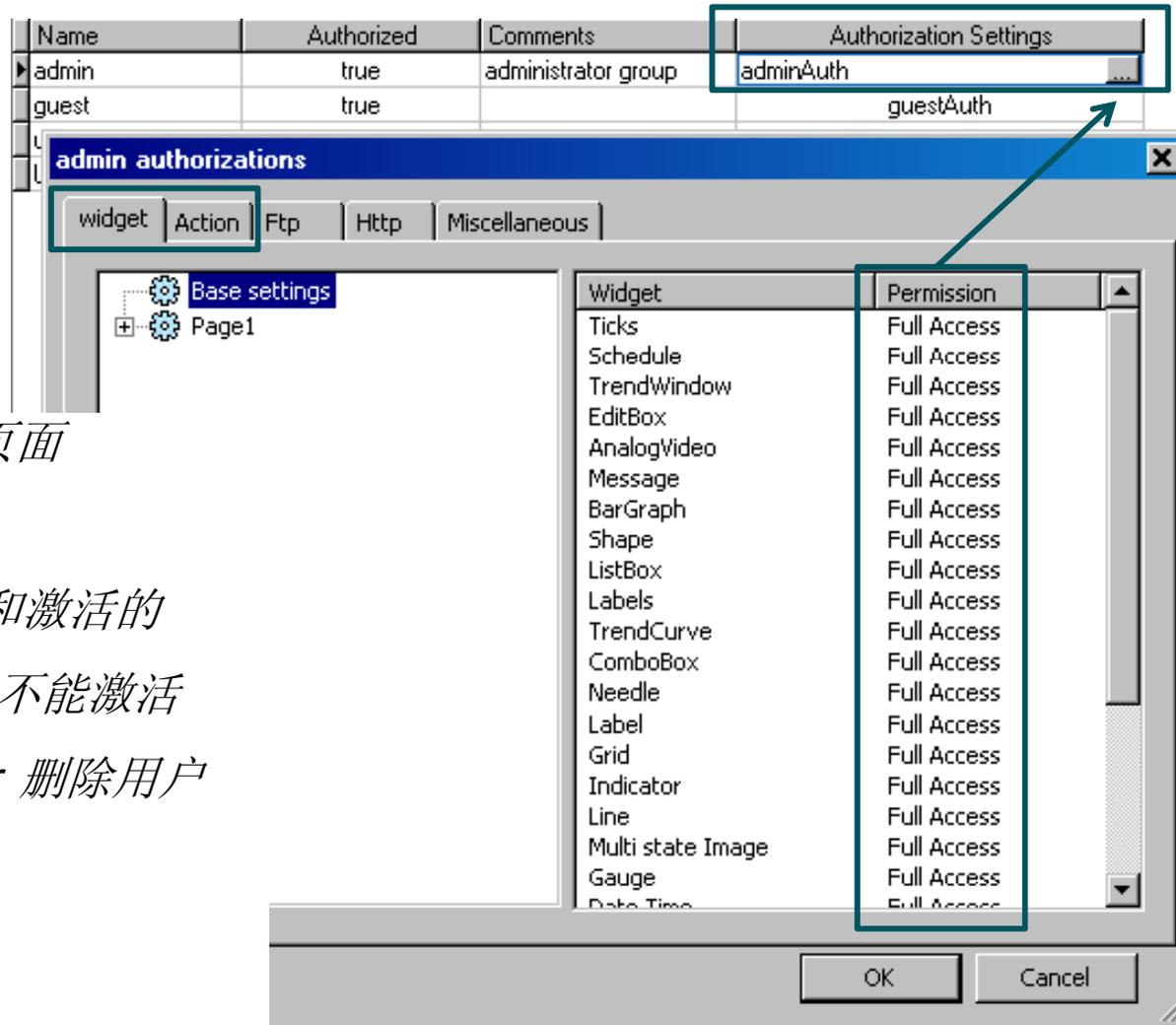
- 用户管理
  - 带权限集的用户组
  - 定义组内用户
    - 运行时添加和修改用户
  - 用户密码选项
    - 更改初始密码
    - 自动注销定时器
    - 有效密码的选项
  - 运行时用户编辑
  - 登录/注销/切换 用户



The image shows a login interface with a blue gradient background. It features two white input fields: the top one is labeled "User name:" and the bottom one is labeled "Password:". Below the password field is a rounded rectangular button with a blue gradient and the text "Sign In". In the bottom right corner, the "JMobile" logo is visible in a light blue font.

# PB610 Panel Builder

## 使用用户和权限管理功能



- 带条件访问一个页面
- 一个按钮
  - **Admin:** 可见和激活的
  - **Guest:** 可见, 不能激活
  - **Remove user** 删除用户
- 检查用户组配置
- 定义用户
- 使能安全

# PB610 Panel Builder

## 脚本

- JavaScript
  - 基于标准的ECMA-262脚本
  - GUI脚本
  - 服务器侧脚本(尚未发布)
  - 调试器(仿真与实际运行)
- 执行
  - 部件事件(按下, 弹起, 更新)
  - 页面事件(进入, 离开, 更新)
- 灵活和强大的访问功能:
  - 标签
  - 对象属性
  - 系统属性(即将推出)

```
1
2 //move a widget
3 function WinBtn1_pushbutton1_onMouseRelease(me) {
4
5     var shape1 = page.getWidget("rect1");
6     var field1 = page.getWidget("field1");
7     var field2 = page.getWidget("field2");
8         field1.value = parseInt(shape1.x)
9         field2.value = parseInt(shape1.y)
10
11     var posx = shape1.x;
12     if(posx >= 200){
13         posx = 10;
14     }
15     shape1.x = posx + 10;
16
17     var posy = shape1.y;
18     if(posy >= 200){
19         posy = 10;
20     }
21     shape1.y = posy + 10;
22
23 }
24
25 function btnro04_onMousePress(me) {
26
27     var my_ellipse = page.getWidget("ellipse");
28
29     my_ellipse.x = my_ellipse.x + 10;
30
31
32
33 }
34
```

# HMI Panels CP600

## CP600 文档

- [Link to CP600 Web page](#)
- [Link to CP600 range Brochure \(pdf format\)](#)
- [Link to CP600 – PB610 Panel Builder 600 manual \(pdf format\)](#)
- 您可以在在**ABB**网上学院（合作伙伴培训工具）中找到一个名为**F854e**的电子学习课程，该课程包括对**CP600 range**描述、参数、优势、应用、和与其他产品的对比

[Link to Training Partner tool:](#)

Power and productivity  
for a better world™

