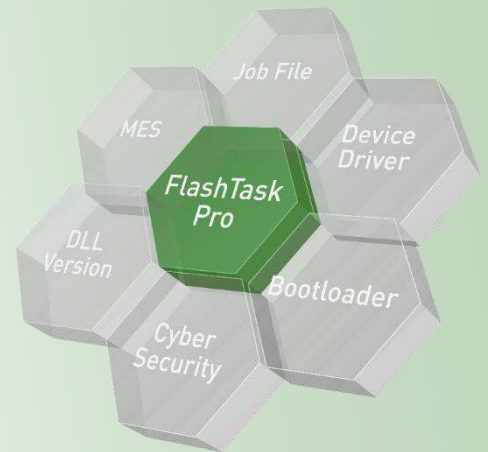


FlashTask ProDUCTION SUITE

MODULAR CONCEPT

- Process control via Job File
- Ultra-Fast Device Driver
- Bootloader for High Speed Data Transfer supported via USB, BroadR-Reach, CAN-FD...
- Operator friendly user interface
- FlashTask Pro - DLL for component solutions
- FlashTask Pro - SAP for semi-automated systems
- Remote Control Interface for Inline Handling-System
- Manufacturing Execution System Interface
- Enhanced traceability and diagnostics
- Cyber Security implementation on device and system level



ABSTRACT

FlashTask Pro is the master production software for easy control of your entire Flash process. It combines under one user interface all necessary software packages for an integrated Flash process. Regardless of experience, engineers can rapidly and cost-effectively set-up integrated flash-stations in your production.

FlashTask Pro implements the latest cyber security requirements to ensure a secure flashing process. Password protection, encryption and other mechanisms are part of the FlashTask production suite. Administrator and operator modes allow the supervisor to set up the job file and assign password controls. FlashTask Pro captures all events during the programming process in a traceability file, providing complete information for detailed audit-trails.

FlashTask Pro intuitively assists you through every step of your flashing process. You capture all relevant data in a dedicated job file and are able to manage the job status, e.g. 'waiting for validation', 'approved for production' or 'on-hold', individually for each job file – automatically via a status-check linked to your manufacturing execution system (MES). This integrated process also provides you with the safety, convenience and efficiency to repeat the programming job anytime with validated parameters for highest quality programming.

FlashTask Pro also provides optional software interfaces to your Manufacturing Execution System (e.g. iTAC, camLine, OpCon, etc.) and provides enhanced traceability as well as diagnostics features for seamless integration in your production environment.

FlashTask Pro IMPLEMENTATIONS

FlashTask Pro - DLL



Components for Integration

FlashTask Pro - SAP



Semi-Automated System

FlashTask Pro - IFL



Inline-Handling System

FTJobEditor

- Creates job files for FTEngine
- Windows based user interface supports intuitive operation
- Easy to use Windows environment and help menus to assist you to easily navigate
- FlashTask's powerful features
- Menu-guided setup for all task relevant options
- Intuitive operation
- Expanding your device library in a matter of minutes
- Pull-down menus to set customer specific MCU, task, serial number and traceability options
- Advanced dynamic data programming features
 - Customized serial number programming
 - Application individual data
- Merge multiple files into one programming file
- Manages Flash and EEPROM data in one file
- Handles any combination of file formats (S-Record, Intel HEX, Binary)
- Maintenance control
- Password protection, different operator and administrator modes

FTEngine

- Executes validated job files created by the FTJobEditor
- Optimized for production use, parallel programming of multiple targets
- Index guided detailed documentation
- Clear text error messaging for quick trouble shooting
- Margin Verify to ensure maximum data retention
- Continuous voltage monitoring during programming process
- Configurable watchdog trigger functions for your target application, e.g.:
 - Square wave, Low / high signal, System Basis
 - Chip control via SPI protocol
- Supports device specific options
- Robust device drivers including high performance algorithms for a reliable flash process

ProMik

**Programmiersysteme für
die Mikroelektronik GmbH**
Südwestpark 100
90449 Nuremberg, Germany

Tel +49 911 - 25 26 65 - 0
Fax +49 911 - 25 26 65 - 66
E-Mail info@promik.com
Web www.promik.com

ProMik GmbH reserves the right to change the product specifications without prior notification. This document is for information only and does not represent a contractual obligation. All trademarks referred to are the property of their legitimate owners.
2410/2019/Ref.01