

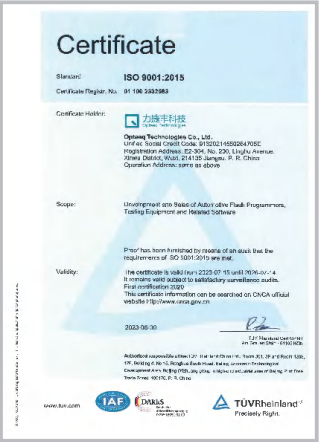
About us

Founded in 2010, OPTEEQ Technologies is a high-tech enterprise specializing in the research and development, production and sales of automotive electronic tool chain products. Thanks to **DELIBERATE INNOVATION**, our universal in-system programmers and system solutions help our customers to resolve their key problems in electronic manufacturing, testing, and process automation, significantly improve production efficiency and automation levels. OPTEEQ Technologies has succe-ssively launched a series of software and hardware tools for the development, production and testing of automotive electronic products helping customers obtain the OPTIMAL, SPEEDY and High-Quality products and service.

OPTEEQ Technologies is committed to integrating into the global high-end automotive electronics industry. Through cooperation with international semiconductor manufacturers such as Infineon, STMicroelectronics, NXP, Renesas, as well as other Chinese IC manufacturers, our products and services have been applied and recognized by many well-known global and domestic companies.

OPTEEQ Technologies won the title of Chinese National High-tech Enterprise in 2019 and passed TÜV Rheinland ISO9001 quality management system certification.

Enterprise honor



OPTEEQ SG400 Series
Universal Gang-programmer



Extremely Fast Speed

Flexible Application

Ultra High Stability

Overview

The OPTEEQ SG400 series is a new generation universal in-system gang-programmer based on OPTEEQ Technologies more than ten years of experiences in the field of semiconductor chip programming. Inheriting the versatility and high stability of the previous OPTEEQ S4/S8 series, SG400 has also achieved industry-leading ultra-high programming speed. In today's world where chip capacity is increasing and the types of chips on PCB are becoming increasingly diverse, the OPTEEQ SG400 series programmers with richer application scenarios help customers greatly improve production speed and work efficiency!

- Flexible combination of programmer module+HUB, up to 32 chips programmed at same time
- Independent 4 channels, different channels programm different chips at same time
- Built-in newly designed programming engine, up to 3 times faster
- Powered by PoE, greatly simplifying deployment requirements
- Excellent external electrical isolation performance
- Control full-module signal integrity



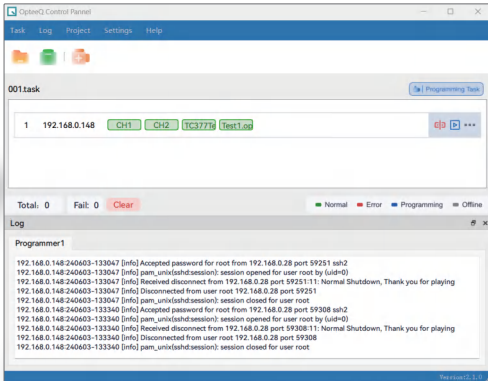
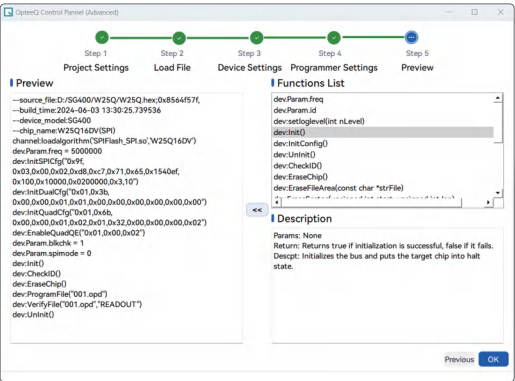
Hardware features

Channels	4 channels completely independent
	Parallel operation up to 32 channels
PoE maximum input power	35 W
I/O voltage range	+1.6 ~ +5.5 V
Network	10/100/1000M Ethernet

Size	161*86*30 mm
Weight	320 g
SG400-M adapter module	80*33 mm
Static memory	Up to 256 GB SDHC card
Signal input/output connector	20 PIN,PITCH=2.00 mm

Software features

- Upper computer software support Windows (Win7+), Linux (64bit, Fedora/Ubuntu)
- Provide rich dynamic libraries for external expansion and secondary development
- Supports functions such as file encryption and license management
- Supports real-time log display and historical log storage
- Can easily upgrade firmware/algorithms, etc



Model comparison

Modle	SG400-U1	SG400-U2	SG400-U3	SG400-U4	SG400-M
Channel Number	1	2	3	4	2
Applicable Scenarios	Programming MCU, NorFlash, EEPROM, etc.				Programming eMMC, OSPI Flash,etc.



34 PIN, PITCH=2.54mm

SG400-M adapter module



SG400-M

OpteeQ

OPTEEQ T3016

PPM/FastLIN/LIN Gang-programmer



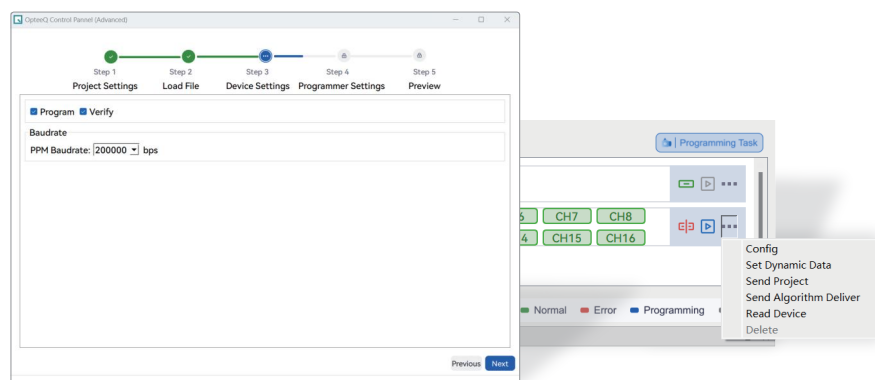
Hardware features

Size	160*120*29 mm
Weight	464±10 g
Static memory	Up to 256 GB SDHC card
LIN highest baud rate	20kbps
Fast LIN highest baud rate	150kbps
PPM highest baud rate	300kbps
PoE connector	RJ-45

- Supports programming 16 chips at the same time
- Different channels can simultaneously program different files or different chips with the same protocol
- Dual-core CPU (A9) , 1 GB on-board Dynamic Memory
- 667MHz frequency
- Supports 10/100/1000M Ethernet
- Supports MLX81344 / MLX81113XAX / MLX81113XBX /MLX81108, IS32LT3183A and other series of chips

Software features

- Windows and Linux compatible
- The host computer software is compatible with OPTEEQ SG400 series
- Provide DLL and API functions to facilitate secondary development
- Provide routines in C, C#, Labview and other languages
- Provide complete log records with timestamps to facilitate production management and problem tracing
- Supports scripted process control to facilitate users to implement special programming processes



IC Manufacturers Supported



OpteeQ

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OPTEEQ

Chinese Market Leader

15 Years

Deliberate Innovation

30⁺ IPs

Supported 10000+ Devices from

50⁺ Brands

High Stability & Reliability

500⁺ Clients



PROFESSIONAL TOOL CHAIN
FOR AUTOMOTIVE ELECTRONICS