

Table of Contents

Documents	1
Data Sheet	1
Reference Manual	1
PHY Reference	2
Errata Sheet	2
Limitation Note ARP problem in the NLB environment	2
Getting Started	2

Documents

The **DataSheet** provides the ordering information and mechanical device characteristics of the W7500/W7500P microcontrollers.

The **Reference Manual** provides the register map of peripherals and brief description.

The **PHY Reference** provides the How to Access W7500x PHY Register and description of W7500P Internal PHY.

The **Errata Sheet** describes error Phenomenon and solution .

The **Getting Started** user's guide describes the installation of MDK,How to make KEIL new project for W7500, How to use MDK for W7500 Peripherals Examples, How to use GCC for W7500 Peripherals Examples and How to use ISP tool from starting a project to using the ISP tool.

Data Sheet

- [W7500x Datasheet v1.1.0 - English](#)

Version	Date	Decription
V 1.1.0	20DEC2019	Fixed 3.17 UART speed to 460.8 Kbit/s from 3 Mbit/s.

Old Datasheet History

Version	Date	Decription
V 1.0.0	18SEP2017	Initial Release
V 1.0.1	26OCT2017	Fixed value Driving Strength condition in PADCON.
V 1.0.2	09NOV2017	Fixed Typo I/O Pad Characteristics VOL description (high → low)
V 1.0.3	30NOV2017	Fixed figure 8. (W7500P Pin out)
V 1.0.4	18DEC2017	Add Reset & PLL characteristics.
V 1.0.5	30JAN2018	1. Fixed figure 8 (W7500P Pin layout) / Added subhead (4.2.1 W7500, 4.2.2 W7500P) / Fixed table 8(modified Symbol name) 2. Modified SRAM description (2. Description)
V 1.0.6	05FEB2018	Add info about W7500P power consumption.(Current Characteristics)
V 1.0.7	27JUL2018	Fixed figure 2. CRG Diagram (Input Information of WDOGCLK, TIMCLK0,TIMCLK1).
V 1.0.8	17OCT2018	Fixed Power Supply description
V 1.0.9	11NOV2019	Fixed Power Supply description

Reference Manual

- [W7500x Reference Manual v1.1.2 - English](#)

Version	Date	Decription
V 1.1.2	17OCT2018	Edit Power supply description

Old Reference Manual History

Version	Date	Decription
V 1.0.0	18SEP2017	Initial Release
V 1.0.1	12OCT2017	Edit Flash Chapter.
V 1.0.2	26OCT2017	Edit GPIO,PADCON Register and added Open Drain function
V 1.0.3	27OCT2017	TCKCNTR, RTR, Sn_RTR, Sn_KATMR Additional description added.
V 1.0.4	09NOV2017	Edit PADCON register description CS,DS inverted value.
V 1.0.5	17NOV2017	Edit UARTCR register description about UARTEN.
V 1.0.6	29NOV2017	Edit WZTOE Sn_KATMR description about timer trigger.
V 1.0.7	26JAN2018	Edit typo about PWM preodic mode
V 1.0.8	12FAB2018	Edit Base Address about RTC (4000_4000 → 4000_E000)
V 1.0.9	05MAR2018	Edit UART2 description & register map.

Version	Date	Decription
V 1.1.0	11APR2018	Edit Systick description & PADCON register table fix
		Edit Register Table about SSP0, SSP1 (Add FRF)
		Edit DSS about SSP0, SSP1
		Edit Register map about SSP0, SSP1 (Add FRF)
V 1.1.1	27JUL2018	Fixed figure 4. CRG Diagram (Input Information of WDOGCLK, TIMCLK0,TIMCLK1).
		Flash memory lock function Additional description added (11.1)

PHY Reference

How to Access W7500x PHY Register

- [How to Access W7500x PHY Register - English](#)
- [W7500P Internal PHY Datasheet - English](#)

Version	Date	Decription
V1.0.0	7AUG2018	Initial Release

W7500P Internal PHY Datasheet

Version	Date	Decription
V1.0.0	7AUG2018	Initial Release

Errata Sheet

- [W7500x Erratasheet v1.2.0 - English](#)
- [W7500x Erratasheet v1.2.0 - Korean](#)

Version	Date	Decription
V1.2.0	13MAR2019	Erratum 3 - IAP Function Call Failure
		Erratum 4 - Two Image Banks Failure
		Erratum 5 - Cold Booting Failure

[Old Errata Sheet Histroy](#)

Version	Date	Decription
V1.0.0	11JUL2016	erratum 1 - W7500x I2C
V1.0.2	8DEC2016	Correct SCL speed
V1.0.3	18JUN2018	erratum 2 - W7500P Transmission Delay Case

Limitation Note ARP problem in the NLB environment

Version	Date	Decription
V 1.0	12MAR18	Initial Document

- [Limitation Note ARP problem in the NLB environment V1.0](#)

Getting Started

- [How to install KEIL new project for W7500](#)

- [How to use I2C for W7500 Peripherals Examples](#)
Examples

- [How to use ISP tool](#)

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