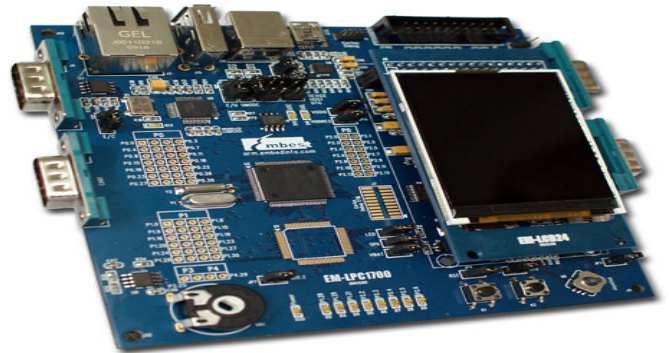# Embest - EM-LPC1700-66 - EM-LPC1700 Evaluation Board

Product Overview:

EM-LPC1700 is the latest generation of full function evaluation board produced by Embest for NXP ARM Cortex-M3 core-based processors. The board features comprehensive interfaces, which not only provides a good platform for application development, but also is the first choice for learners. Combining with our company's debugging tools ULINK2, it will offer you a better development environment for saving time and improving efficiency.

Kit Contents:

Take the EM-LPC1700 out of its box. Included in the box are:

- One EM-LPC1700 board

- 2.4 inches TFT LCD（240*320）

- One Cross-serial line
- One USB A-B cable
- One Crossover network cable
- One EM-LPC1700 CD

Key Features:

- Processors: NXP LPC1766, the frequency up to 100MHz
- Internal Memory: up to 512KB flash memory, 64KB SRAM
- 2 RS232 Interfaces
- 2 CAN Interfaces
- 1 Ethernet Interface
- 1 JTAG Interface
- 1 ETM Interface
- 2 Cortex Debug Interfaces
- 1 LCD Display
- 1 USB Device/Host/OTG Interface

- 1 Analog Output (connected to speaker by default)
- 1 Analog Input (connected to potentiometer by default)
- RTC (with back-up battery)
- 1 Mini SD Card Interface

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
EM-LPC1700-66	Embest	NA	63R5718

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
LPC1766FBD100	NXP	32Bit ARM Cortex	1718548	15R1839
SW_LICA	Embest	Emlink for ARM License	1788113	63R5737
SPC19944	SPC TECHNOLOGY	Shielded Serial Cable Assembly	1702771	83K3689
SPC15457	SPC TECHNOLOGY	Standard 9 Pin D-Subminiature Connector	1653954	79K5032
SPC21961	SPC TECHNOLOGY	Category 5e Cable Assembly	1363809	21M5875
555052-1	TYCO ELECTRONICS	RJ45 JACK	1557068	66F3284
897-43-004-90-000000	MILL MAX	USB Connector	1621546	84K7068

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
EM-LPC1700-58	Embest	LPC1766 Evaluation Board	LPC1766	NA	63R5717
EM-LPC1700-68	Embest	LPC1768 Evaluation Board	LPC1768	NA	63R5719

Document List:

Datasheets:

Part Number	Description	Size
MAX3232	RS-232 Transceivers	752KB
LM1117DT-ADJ	800mA Low-Dropout Linear Regulator	647KB
LPC1766	32Bit ARM Cortex	1.83MB

Application Notes:

File Name	Size
Using the FreeRTOS Real Time Kernel	650KB
Cortex-M3 based microcontrollers with Ethernet, USB, CAN and 12-bit ADC	118KB

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