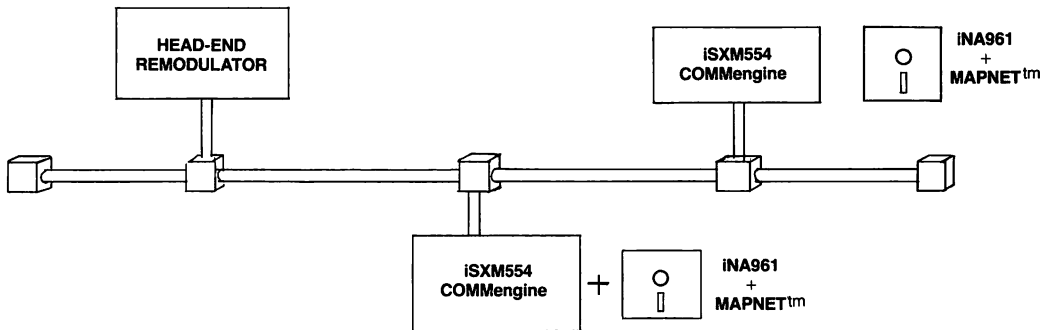


MAP STARTER KIT

Member of the OpenNET™ Product Family

- Complete package provides fast 'start-up' MAP 2.1 environment
 - Provides 7-layer networking capability for MULTIBUS-based systems without forcing rework of existing designs
 - Includes Intel's proven iNA961 R2.0 software, providing ISO8073 transport and ISO8473 Internet capability
- MAP-NET™ upper-layer software for layers 5-7, MAP 2.1 all running on-board
 - Head-end remodulator and complete cable kit
 - Dedicated systems engineering support for design/trouble-shooting assistance

Intel's MAP Starter Kit is a low-cost package of broadband hardware, software and support services providing a complete development environment for MAP 2.1 system designers. Together with implementor-supplied MULTIBUS® hosts, the kit provides all the modules required for the implementation of a two-node MAP network in the lab or factory environment.



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MAP STARTER KIT

FUNCTIONAL DESCRIPTION

As a complete system kit, the system designer is provided with a set of hardware and software modules ready to run in a simple MULTIBUS® system configuration. The kit includes two iSXM554 COMMengine boards, iNA961 R2.0 ISO-Standard Transport and Internet software, MAP-NET™ Layer 5-7 Software, a Head-End Remodulator, Cabling, Documentation and Systems Engineering Support. All hardware and software comes preconfigured to reduce start-up time.

The iSXM554 COMMengine product is designed to fit into front-end LAN communications processor applications. It allows the connection of MULTIBUS®-based systems onto IEEE802.4 10Mb/s Token Bus Broadband networks. The COMMengine concept enables the host processor board to offload communications-related tasks to a dedicated communications processor, freeing host processor capability for user applications or other tasks. This functional partitioning also enables networking of existing systems without forcing a redesign of the entire system architecture.

The iSXM554 has on-board processing and memory capability to accommodate software for Layers 3 through 7 of the ISO/OSI model. The board incorporates an 80186 processor running at 8Mhz, up to 256Kbytes of RAM (128K of which is dual-port memory), sockets for up to 4 JEDEC 28-pin memory devices (max. 160Kbytes EPROM), the token bus handler chip set and the token bus modem. The iSXM554 also implements one iSBX connector for additional I/O expansion capability and can be configured as either a master or a slave in MULTIBUS® systems.

The iSXM554 comes preconfigured to run iNA961 R2.0 transport and internet software. iNA961 is a preconfigured version of Intel's established iNA960 networking software, implementing ISO8073 Class 4 transport and ISO8473 Internet protocols. The kit also comes complete with Intel's MAP-NET™ software, preconfigured for the iSXM554 and designed to use the services and interface provided by iNA. MAP-NET™ provides an OEM implementation of the MAP 2.1 Session, Network Management, FTAM and CASE. Together, the board and software modules provide a quick time-to-market solution for industrial OEMs.

The Head-End Remodulator supplied with the kit is a 19" rack-mountable unit used as the central transmitting facility for an IEEE802.4 10Mb/s broadband network. The kit comes complete with cabling, hardware and accessories required for the implementation of a two-node network configuration.

Bundled Support

The MAP Starter Kit also includes a 90-day credit for Systems Engineering support, available on a consulting basis and limited to a maximum of up to two days engineering assistance. This allows the user access to highly trained Intel Systems Engineers for assistance throughout the development cycle – from product definition and specification through to production system verification.

Software Licencing

Software obtained with this product requires the completion of an Intel Master Software Licence Agreement and may not be copied or distributed either within or outside your company. This software is licenced to the purchaser for use on the development system only and is defined as Class I software under the terms of the licence agreement.

Warranty

The iSXM554 and Head-End Remodulator are covered by Intel's standard 90-Day Return to Vendor warranty. Software products delivered with the kit are covered under a 90-day Initial Support Period, including updates. Support beyond these periods may be purchased, per the terms and conditions described in the current edition of Intel's European Systems Catalogue.

Ordering Information

Part Number	Description	Channel Pairs
EMAPSTART-3	MAP Starter Kit	6'/FM1'/T/U
EMAPSTART-1	MAP Starter Kit	3'/4'/P/Q

Related Documentation

231594-001	iSXM554 MAP Communications Engine iNA960 Transport and Internet Software
231666-001	MAP-NET™ Communications Software
280167-001	System 310AP Advanced Performance Microsystems
230751-004	iRMX™86 Real-Time Operating System

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