

Standalone OEM Module Quad ASI to IP Converter

- Quad ASI to Gigabit Ethernet conversion
- Serial control over USB, I2C or RS-232
- UDP, RTP, 2D FEC (SMPTE-2022)

FEATURES

- Compact OEM module for interfacing four ASI transport streams to an IP network
- Encoding and insertion of 2D-FEC packets as defined in SMPTE 2022-1
- IP encapsulation with UDP and RTP support according to SMPTE 2022-2
- Unicast and multicast IP addressing
- IPv4 or IPv6
- Supports source-specific multicast
- Choice of three serial control interfaces: USB 2.0, true RS-232 or I2C
- Persistent storage of configuration parameters in on-board flash memory
- Dimensions compatible to DTM-3200



APPLICATIONS

- Tunnelling of ASI transport streams over LAN, WAN or the Internet

KEY ATTRIBUTES

Parameter		Value
GigE port	Physical layer	IEEE 802.3a
	Data rate	100/1000
	Connector	RJ-45 with LEDs
ASI ports	Number of ports	4
	Physical layer	EN50083-9
	Connector	4x 75-Ω MCX
	Tx bitrate per port	0.1 to 214Mbit/s
	Total Tx rate (max)	750Mbit/s
Transport	TPs per IP	1 to 7
	Encapsulation	SMPTE 2022-2 UDP or RTP
	FEC	SMPTE 2022-1
Power supply requirement	12V±10%	
Dimensions WxHxD	80x55x14mm	

* Excluding FEC reconstruction and jitter tolerance delay.

PROTOCOL SUPPORT

Ethernet encapsulation	IEEE 802.2 SNAP, Eth. II
IP support	IPv4, IPv6
IP-address assignment	DHCP, DHCPv6, link local or static
Multicast support	IGMP v3, MLDv2
Device management	Out of band: RS-232, USB 2.0, I2C
Network management	Not supported

ORDERING INFORMATION

Type	Description
DTM-3224	OEM Quad ASI to IP converter
DTM-3224-DEVKIT	Developer's kit for DTM-3224

Please refer to www.dektec.com for the latest pricing and a list of distributors and resellers.