

MINI YGDAI CARDS

DIGITAL I/O Card

AES/EBU Format

Model	ch	Resolution	Sampling frequency rate	Format	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY16-AE ^{*1}	16	24-bit	44.1/48kHz	AES/EBU	D-sub 25-pin x 2	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes	—
MY8-AE96S ^{*2}	8	24-bit	44.1 - 96kHz	AES/EBU	D-sub 25-pin x 1	Yes	Yes	Yes	Yes	—	Yes	Yes ^{*3}	Yes ^{*3}	Yes	Yes	—
MY8-AE96	8	24-bit	44.1 - 96kHz	AES/EBU	D-sub 25-pin x 1	Yes	Yes	Yes	Yes	—	Yes	Yes ^{*3}	Yes ^{*3}	Yes	Yes	—
MY8-AE ^{*1}	8	24-bit	44.1/48kHz	AES/EBU	D-sub 25-pin x 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MY8-AEB	8	24-bit	44.1/48kHz	AES/EBU (AES-3id)	BNC x 9 (In x 4, Out x 4, REF Video In x 1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



MY16-AE



MY8-AE96S



MY8-AE96



MY8-AE



MY8-AEB

*1: Can handle 24 bit/96kHz by double channel mode.
*2: Sampling Rate converter for Input.
*3: Can work 44.1 and 48 kHz.

The MY8-AEB



Function

The "eXi-Clock" function included in the MY8-AEB is capable of seamlessly continuing generation of the word clock signal used for video synchronization even if the input video signal is interrupted.

ADAT Format

Model	ch	Resolution	Sampling frequency rate	Format	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY16-AT*	16	24-bit	44.1/48kHz	ADAT	ADAT OPTICAL x 4	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes	—
MY8-AT*	8	24-bit	44.1/48kHz	ADAT	ADAT OPTICAL x 2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



MY16-AT



MY8-AT

*: Can handle 24 bit/96kHz by double channel mode.

TDIF Format

Model	ch	Resolution	Sampling frequency rate	Format	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY16-TD ^{*1}	16	24-bit	44.1/48kHz	TASCAM	D-sub 25-pin x 2	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes	—
MY8-TD ^{*1}	8	24-bit	44.1/48kHz	TASCAM	D-sub 25-pin x 1 ^{*2}	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—



MY16-TD



MY8-TD

*1: Can handle 24 bit/96kHz by double channel mode.
*2: BNC Word clock out x 1

Digital Network Cards

Model	ch	Resolution	Sampling frequency rate	Format	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY16-CII	16	24-bit	48/96kHz	CobraNet™	RJ45 x 2	Yes	Yes*	Yes*	Yes*	—	Yes	Yes	Yes	Yes	Yes	—
MY16-ES64	16	24-bit	48/96kHz	EtherSound™	EtherCom® x 2 RJ45 x 2	Yes	Yes*	Yes*	Yes*	—	Yes	Yes	Yes	Yes	Yes	—
MY16-MD64	16	24-bit	48/96kHz	MADI	MADI COAXIAL MADI OPTICAL, RJ45 x 2	Yes	Yes*	Yes*	Yes*	—	Yes	Yes	Yes	Yes	Yes	—
MY16-EX	16	24-bit	48/96kHz	—	RJ45 x 4	Yes	Yes	Yes	—	—	Yes	Yes	—	Yes	Yes	—



MY16-CII



MY16-ES64



MY16-MD64



MY16-EX

*: Firmware V2.3 or later version must be installed.

MINI YGDAI CARDS

HD-SDI Format

Model	ch	Resolution	Sampling frequency rate	Format	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY8-SDI-D	8	24-bit	48kHz	HD-SDI	BNCx2 (Input, Thru Output)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—



MY8-SDI-D

ANALOG I/O Card

AD/DA Card

Model	ch	Resolution	Sampling frequency rate	Maximum Input Level	Maximum Output Level	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY8-ADDA96	8	24-bit	96kHz	+24dBu (12.28V)	+24dBu (12.28V)	Euroblock x 4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



MY8-ADDA96

AD Cards

Model	ch	Resolution	Sampling frequency rate	Maximum Input Level	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY8-AD96	8	24-bit	96kHz	+24dBu*, +18dBu	D-sub 25-pin x 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
MY8-AD24	8	24-bit	44.1/48kHz	+24dBu*, +4dBV	TRS Phone Jack x 8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
MY4-AD	4	24-bit	44.1/48kHz	+24dBu*, +18dBu, +4dBV	XLR3-31 x 4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—



MY8-AD96

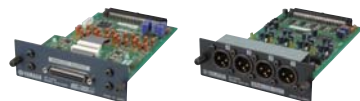
MY8-AD24

MY4-AD

*Default setting. Use the GAIN switches to set the required gain level for each input.

DA Cards

Model	ch	Resolution	Sampling frequency rate	Maximum Input Level	Connector	DM2000 VCM	DM1000 VCM	02R96 VCM	01V96 VCM	PM1D (DIO8)	PM5D	M7CL	LS9	DME64N	DME24N	DA824
MY8-DA96	8	24-bit	96kHz	+18dBu	D-sub 25-pin x 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
MY4-DA	4	24-bit	44.1/48kHz	+18dBu*, +4dBV	XLR3-32 x 4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—

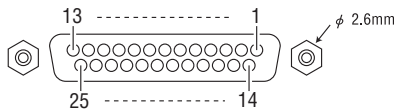


MY8-DA96

MY4-DA

*Default setting. Use the GAIN switches to set the required gain level for each output.

Pin Assignments of D-SUB25 Connector



AES/EBU

Signal	Data In Ch				Data Out Ch				Open	GND
	1-2	3-4	5-6	7-8	1-2	3-4	5-6	7-8		
Pin Hot	1	2	3	4	5	6	7	8	9,11	10, 12, 13, 22, 23, 24, 25
Pin Cold	14	15	16	17	18	19	20	21		

AD/DA

Signal	Output Ch								Open	GND
	1	2	3	4	5	6	7	8		
Pin Hot	24	10	21	7	18	4	15	1	13	2, 5, 8, 11, 16, 19, 22, 25
Pin Cold	12	23	9	20	6	17	3	14		

I/O Card Matching

Due to power consumption mismatches and other considerations, some combinations of optional I/O cards (Yamaha Mini-YGDAI cards as well as third-party products) cannot be used simultaneously. For details refer to the "I/O Card Matching" page on the Yamaha Pro Audio website:

<http://www.yamahaproaudio.com/>

Yamaha Product	Card/Connector	Item Code	Ch.	Format	Resolution	EQY
AD Card	MY8-AD	A	8	24Bit	24Bit	
AD Card	MY8-AD24	B	8	24Bit	24Bit	
AD Card	MY8-AD96	B	8	24Bit	24Bit	
DA Card	MY4-DA	A	4	24Bit	24Bit	
DA Card	MY8-DA96	B	8	24Bit	24Bit	
AD/DA Card	MY8-ADDA96	B	8	24Bit	24Bit	
Digital I/O Card	MY8-AE	B	AE/LS9	24Bit	24Bit	
Digital I/O Card	MY8-AB	B	AE/LS9	24Bit	24Bit	
Digital I/O Card	MY8-AD96	B	AE/LS9	24Bit	24Bit	
Digital I/O Card w/MS/CS	MY8-AD96S	B	AE/LS9	24Bit	24Bit	
Digital I/O Card	MY16-AE	B	AE/LS9	24Bit	24Bit	
Digital I/O Card	MY8-A7	B	ADAT	24Bit	24Bit	
Digital I/O Card	MY16-A7	B	ADAT	24Bit	24Bit	
Digital I/O Card	MY8-TD	B	TASCAM	24Bit	24Bit	
Digital I/O Card	MY16-TD	B	TASCAM	24Bit	24Bit	