

**INT-9128R-SW Non-Blocking Matrix Switch Family  
Specifications**

**Sixteen Channel Plug-In Signal Conversion Cards**

Part Number	INT-9128R-E1U
Signal Nomenclature	ITU / CEPT E1
Relevant Standards	G.703
Signal Rate	2.048 Mbps
Line Coding	AMI / HDB3
Transmission Mode	Unbalanced
Impedance	75 Ohms

Part Number	INT-9128R-E1B
Signal Nomenclature	ITU / CEPT E1
Relevant Standards	G.703
Signal Rate	2.048 Mbps
Line Coding	AMI / HDB3
Transmission Mode	Balanced
Impedance	120 Ohms Differential

Part Number	INT-9128R-E3U
Signal Nomenclature	ITU / CEPT E3
Relevant Standards	G.703
Signal Rate	34.368 Mbps
Line Coding	AMI / HDB3
Transmission Mode	Unbalanced
Impedance	75 Ohms

Part Number	INT-9128R-E3B
Signal Nomenclature	ITU / CEPT E3
Relevant Standards	G.703
Signal Rate	34.368 Mbps
Line Coding	AMI / HDB3
Transmission Mode	Balanced
Impedance	120 Ohms Differential

**INT-9128R-SW Non-Blocking Matrix Switch Family  
Specifications**

Part Number	INT-9128R-DS1U
Signal Nomenclature	ANSI DS1 (T1)
Relevant Standards	T1.403
Signal Rate	1.544 Mbps
Line Coding	B8ZS
Transmission Mode	Unbalanced
Impedance	75 Ohms

Part Number	INT-9128R-DS1B
Signal Nomenclature	ANSI DS1 (T1)
Relevant Standards	T1.403
Signal Rate	1.544 Mbps
Line Coding	B8ZS
Transmission Mode	Balanced
Impedance	100 Ohms Differential

Part Number	INT-9128R-DS3U
Signal Nomenclature	ANSI DS3 (T3)
Relevant Standards	T1.403
Signal Rate	44.736 Mbps
Line Coding	B3ZS
Transmission Mode	Unbalanced
Impedance	75 Ohms

Part Number	INT-9128R-DS3B
Signal Nomenclature	ANSI DS3 (T3)
Relevant Standards	T1.403
Signal Rate	44.736 Mbps
Line Coding	B3ZS
Transmission Mode	Balanced
Impedance	100 Ohms Differential

**INT-9128R-SW Non-Blocking Matrix Switch Family  
Specifications**

Part Number	INT-9128R-TTL
Signal Nomenclature	NRZ Data and Clock
Relevant Standards	TTL
Signal Rate	DC – 40 Mbps
Line Coding	None
Transmission Mode	Unbalanced
Impedance	50 Ohms

Part Number	INT-9128R-SECL
Signal Nomenclature	NRZ Data and Clock
Relevant Standards	Motorola MECL-10K
Signal Rate	DC – 667 Mbps
Line Coding	None
Transmission Mode	Unbalanced
Impedance	50 Ohms

Part Number	INT-9128R-DECL
Signal Nomenclature	NRZ Data and Clock
Relevant Standards	Motorola MECL-10K
Signal Rate	DC – 667 Mbps
Line Coding	None
Transmission Mode	Balanced
Impedance	100 Ohms Differential

Part Number	INT-9128R-PECL
Signal Nomenclature	NRZ Data and Clock
Relevant Standards	5V PECL
Signal Rate	DC – 667 Mbps
Line Coding	None
Transmission Mode	Balanced
Impedance	100 Ohms Differential

**INT-9128R-SW Non-Blocking Matrix Switch Family  
Specifications**

Part Number	INT-9128R-LVPECL
Signal Nomenclature	NRZ Data and Clock
Relevant Standards	3.3V LVPECL
Signal Rate	DC – 667 Mbps
Line Coding	None
Transmission Mode	Balanced
Impedance	100 Ohms Differential

Part Number	INT-9128R-LVDS
Signal Nomenclature	NRZ Data and Clock
Relevant Standards	IEEE-1384
Signal Rate	DC – 667 Mbps
Line Coding	None
Transmission Mode	Balanced
Impedance	100 Ohms Differential

Part Number	INT-9128R-422
Signal Nomenclature	NRZ Data and Clock
Relevant Standards	ANSI RS422, RS423, RS485
Signal Rate	DC – 40 Mbps
Line Coding	None
Transmission Mode	Balanced
Impedance	100 Ohms Differential

Part Number	INT-9128R-232
Signal Nomenclature	NRZ Data (and Clock if sync) or async
Relevant Standards	ANSI RS232
Signal Rate	DC – 128 Kbps
Line Coding	None
Transmission Mode	Unbalanced

**INT-9128R-SW Non-Blocking Matrix Switch Family  
Specifications**

**Connectors**

Connector Type	Per Customer Requirement
Connector P/N	Per Customer Requirement
Recommended Cable	Per Customer Requirement
Bit Rate	DC – 667 Mbps

**Remote Control Interface**

DB-9F Remote Control	RS-232C, 19,200 Bps 1 Start, 1 Stop, No Parity (Cable Pin for Pin Straight Through to IBM-PC)
Pin 1	DCD (Connected to Pins 4 and 6)
Pin 2	RXD Serial Data Output from INT-9128
Pin 3	TXD Serial Data Input to INT-9128
Pin 4	DSR (Connected to Pins 1 and 6)
Pin 5	GND
Pin 6	DTR (Connected to Pins 1 and 4)
Pin 7	RTS Handshake to INT-9128
Pin 8	CTS Handshake from INT-9128
Pin 9	RI Unused

**Physical**

Size	Rack Mount (19"), 4U (7") high** ** Depending on connector selection
Weight	25 lb.
Power	120/240 VAC, 1A, 150 Watts (nominal)
Operating Temp	0 – 50 degrees C (Non-Condensing)
Storage Temp	-20 – 60 degrees C (Non-Condensing)